980 XE
Wheel Loader

Technical Specifications

Not all attachments available in all regions. Consult your Cat® dealer for specific configurations available in your region.

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980 XE Wheel Loader Specifications

Engine – (U.S. EPA Tier 4 Final/EU Stage V)

Engine Model	Cat C13	
Engine Power @ 1,700 rpm	313 kW	420 hp
ISO 14396:2002	426 hp (metric)	
Gross Power @ 1,700 rpm	317 kW	425 hp
SAE J1995:2014	431 hp (metric)	
Net Power @ 1,700 rpm	293 kW	393 hp
ISO 9249:2007, SAE J1349:2011	398 hp (metric)	
Engine Torque (1,200 rpm)	2185 N·m	1,612 lbf-ft
ISO 14396:2002		
Gross Torque (1,200 rpm)	2206 N·m	1,627 lbf-ft
SAE J1995:2014		
Net Torque (1,100 rpm)	2086 N·m	1,539 lbf-ft
ISO 9249:2007, SAE J1349:2011		
Bore	130 mm	5.12 in
Stroke	157 mm	6.18 in
Displacement	12.5 L	763 in^3

- Cat engine meets U.S. EPA Tier 4 Final, EU Stage V, Korea Stage V, and Japan 2014 emission standards.
- The net power advertised is the power available at the flywheel when the engine is equipped with fan, alternator, air cleaner and aftertreatment.
- Cat diesel engines are required to use ULSD (ultra-low sulfur diesel fuel with 15 ppm of sulfur or less) or ULSD blended with the following lower-carbon intensity fuels** up to:
  - 20% biodiesel FAME (fatty acid methyl ester)*
  - 100% renewable diesel, HVO (hydrotreated vegetable oil) and GTL (gas-to-liquid) fuels

  Refer to guidelines for successful application. Please consult your Cat dealer or "Caterpillar Machine Fluids Recommendations" (SEBU6250) for details.

  * Engines with no aftertreatment devices can use higher blends, up to 100% biodiesel.

  ** Tailpipe greenhouse gas emissions from lower-carbon intensity fuels are essentially the same as traditional fuels.

Buckets

Bucket Capacities	4.0-14.5 m^3	5.25-19.0 yd^3

Weight

Operating Weight	30 344 kg	66,877 lb

- Weight based on a machine configuration with Bridgestone 29.5R25 VSNT L4 radial tires, full fluids, operator, standard counterweight, ride control, cold start, roading fenders, Product Link™, open differential axles (front/rear), secondary steering, sound suppression, and a 5.4 m^3 (7.1 yd^3) general purpose bucket with BOCE.

Operating Specifications

Static Tipping Load – Full 40° Turn		
With Tire Deflection	19 706 kg	43,432 lb
No Tire Deflection	20 965 kg	46,208 lb
Breakout Force	227 kN	51,008 lbf

- For a machine configuration as defined under "Weight."
- Full compliance to ISO 14397-1:2007 Sections 1 thru 6, which requires 2% verification between calculations and testing.

Transmission

Forward 1	7.0 km/h	4.4 mph
Forward 2	13.6 km/h	8.4 mph
Forward 3	24.0 km/h	14.9 mph
Forward 4	39.5 km/h	24.5 mph
Reverse 1	8.1 km/h	5.0 mph
Reverse 2	15.5 km/h	9.6 mph
Reverse 3	29.5 km/h	18.3 mph
Reverse 4	n/a	n/a

- Maximum travel speed in standard vehicle with empty bucket and standard L4 tires with 935 mm (37 in) roll radius.

Hydraulic System

Implement Pump Type	Variable Displacement Piston, Electo-Hydraulic	
Implement System:		
Maximum Pump Output (1,400 rpm)	457 L/min	121 gal/min
Maximum Operating Pressure	34 300 kPa	4,975 psi
Optional 3rd Function Maximum Flow	240 L/min	63 gal/min
Optional 3rd Function Maximum Pressure at Work Tool	20 684 kPa	3,000 psi
Hydraulic Cycle Time with Rated Payload:		
Raise from Carry Position	5.3 sec	
Dump, at Maximum Raise	1.7 sec	
Lower, Empty, Float Down	3.1 sec	
Total	10.1 sec	

Brakes

Brakes	Brakes meet ISO 3450:2011 standards

Axles

Front	Fixed, open differential
Rear	Oscillating, open differential

Service Refill Capacities

Fuel Tank	426 L	112.5 gal
DEF Tank	21 L	5.5 gal
Cooling System	52 L	13.7 gal
Crankcase	37 L	9.8 gal
Transmission	77 L	20.3 gal
Differentials and Final Drives – Front	84 L	22.2 gal
Differentials and Final Drives – Rear	84 L	22.2 gal
Hydraulic Tank	153 L	40.4 gal

Cab

ROPS/FOPS	ROPS/FOPS meet ISO 3471:2008 and ISO 3449:2005 Level II standards

Sound Performance

Operator Sound Pressure Level (ISO 6396:2008)	70 dB(A)
Exterior Sound Power Level (ISO 6395:2008)	110 dB(A)
Operator Sound Pressure Level (ISO 6396:2008)*	70 dB(A)
Exterior Sound Power Level (ISO 6395:2008)**	107 dB(A)

*Including countries that adopt the EU and UK Directives
**EU Noise Directive 2000/14/EC and UK Noise Regulation 2001 No. 1701

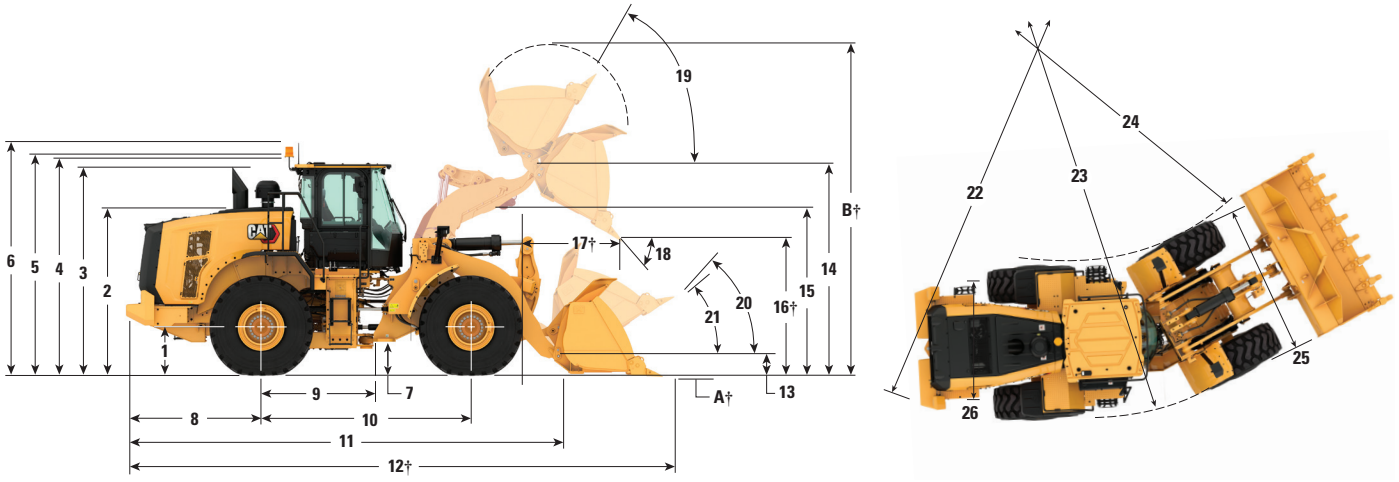
Air Conditioning System

- The air conditioning system on this machine contains the fluorinated greenhouse gas refrigerant R134a (Global Warming Potential = 1430). The system contains 1.6 kg (3.52 lb) of refrigerant which has a CO_2 equivalent 2.288 metric tonnes (2.522 tons).

980 XE Wheel Loader Specifications

Dimensions

All dimensions are approximate.



		Standard Lift		High Lift	
1	Height to Axle Centerline	899 mm	2'11"	899 mm	2'11"
2	Height to Top of Hood	3064 mm	10'1"	3064 mm	10'1"
3	Height to Top of Exhaust Pipe	3764 mm	12'5"	3764 mm	12'5"
4	Height to Top of ROPS	3829 mm	12'7"	3829 mm	12'7"
5	Height to Top of Product Link Antenna	3835 mm	12'7"	3835 mm	12'7"
6	Height to Top of Warning Beacon	4108 mm	13'6"	4108 mm	13'6"
7	Ground Clearance	456 mm	1'5"	456 mm	1'5"
8	Center Line of Rear Axle to Edge of Counterweight	2661 mm	8'9"	2661 mm	8'9"
9	Center Line of Rear Axle to Hitch	1900 mm	6'3"	1900 mm	6'3"
10	Wheelbase	3800 mm	12'6"	3800 mm	12'6"
11	Overall Length (without bucket)	8155 mm	26'10"	8355 mm	27'5"
12	Shipping Length (with bucket level on ground)*†	9673 mm	31'9"	9875 mm	32'5"
13	Hinge Pin Height at Carry Height	632 mm	2'0"	682 mm	2'2"
14	Hinge Pin Height at Maximum Lift	4554 mm	14'11"	4775 mm	15'7"
15	Lift Arm Clearance at Maximum Lift	3881 mm	12'8"	4125 mm	13'6"
16	Dump Clearance at Maximum Lift and 45° Discharge*†	3287 mm	10'9"	3508 mm	11'6"
17	Reach at Maximum Lift and 45° Discharge*†	1481 mm	4'10"	1484 mm	4'10"
18	Dump Angle at Maximum Lift and Dump (on stops)*	52 degrees		55 degrees	
19	Rack Back at Maximum Lift*	61 degrees		61 degrees	
20	Rack Back at Carry Height*	48 degrees		50 degrees	
21	Rack Back at Ground*	40 degrees		40 degrees	
22	Clearance Circle (dia) to Counterweight	13 692 mm	45'0"	13 692 mm	45'0"
23	Clearance Circle (dia) to Outside of Tires	13 700 mm	45'0"	13 700 mm	45'0"
24	Clearance Circle (dia) to Inside of Tires	7180 mm	23'7"	7180 mm	23'7"
25	Width over Tires (unloaded)	3240 mm	10'8"	3240 mm	10'8"
	Width over Tires (loaded)	3260 mm	10'9"	3260 mm	10'9"
26	Tread Width	2440 mm	8'0"	2440 mm	8'0"

†Dimensions are listed in Operating Specifications charts.

All height and tire related dimensions are with Bridgestone 29.5R25 VSNT L4 radial tires (see Tire Option Chart for other tires). "Width over Tires" dimensions are over the bulge and include growth.

- All dimensions are approximate and based on machine equipped with 5.4 m^3 (7.1 yd^3) general purpose bucket with BOCE and Bridgestone 29.5R25 VSNT L4 radial tires. (see Operating Specifications for other buckets)

Tire Options

Tire Brand	Bridgestone	Michelin	Michelin	Michelin	Bridgestone	Michelin
Tire Size	**29.5R25**	**29.5R25**	**29.5R25**	**29.5R25**	**29.5R25**	**29.5R25**
Tread Type	**L–4**	**L–4**	**L–5**	**L–5**	**L–3**	**L–3**
Tread Pattern	**VSNT**	**XLDD1**	**XLDD2**	**XMINED2**	**VJT**	**XHA2**
Width over Tires – Maximum (empty)*	3240 mm 10'8"	3258 mm 10'9"	3256 mm 10'9"	3275 mm 10'9"	3263 mm 10'9"	3270 mm 10'9"
Width over Tires – Maximum (loaded)*	3260 mm 10'9"	3302 mm 10'10"	3296 mm 10'10"	3294 mm 10'10"	3289 mm 10'10"	3296 mm 10'10"
Change in Vertical Dimensions (average of front and rear)		–7 mm –0.3"	–6 mm –0.2"	5 mm 0.2"	–23 mm –0.9"	–40 mm –1.6"
Change in Horizontal Reach		–1 mm 0"	3 mm 0.1"	3 mm 0.1"	20 mm 0.8"	23 mm 0.9"
Change in Clearance Circle to Outside of Tires		42 mm 1.7"	36 mm 1.4"	34 mm 1.3"	29 mm 1.1"	36 mm 1.4"
Change in Clearance Circle to Inside of Tires		–42 mm –1.7"	–36 mm –1.4"	–34 mm –1.3"	–29 mm –1.1"	–36 mm –1.4"
Change in Operating Weight (without Ballast)		–156 kg –344 lb	208 kg 459 lb	532 kg 1,173 lb	–684 kg –1,508 lb	–700 kg –1,544 lb
Change in Static Tipping Load – Straight		–119 kg –262 lb	158 kg 349 lb	405 kg 892 lb	–520 kg –1,147 lb	–532 kg –1,174 lb
Change in Static Tipping Load – Articulated		–103 kg –228 lb	138 kg 304 lb	352 kg 777 lb	–453 kg –998 lb	–463 kg –1,022 lb
Rear Axle Oscillation Angle	±13 degrees	±13 degrees	±13 degrees	±13 degrees	±13 degrees	±13 degrees
Maximum Single-wheel Rise and Fall	549 mm 1'10"	549 mm 1'10"	549 mm 1'10"	549 mm 1'10"	549 mm 1'10"	549 mm 1'10"

*Width over tire bulge and includes tire growth.

Tire Brand	Bridgestone	Bridgestone	Maxam	Maxam	Maxam	Brawler
Tire Size	**29.5R25**	**29.5R25**	**29.5R25**	**29.5R25**	**29.5R25**	**29.5-25**
Tread Type	**L–5**	**L–5**	**L–3**	**L–4**	**L–5**	**Solid**
Tread Pattern	**VSDT**	**VSDL**	**MS302**	**MS405DX**	**MS503**	**Traction/Smooth**
Width over Tires – Maximum (empty)*	3272 mm 10'9"	3250 mm 10'8"	3270 mm 10'9"	3256 mm 10'9"	3268 mm 10'9"	3227 mm 10'8"
Width over Tires – Maximum (loaded)*	3301 mm 10'10"	3275 mm 10'9"	3290 mm 10'10"	3282 mm 10'10"	3304 mm 10'11"	3230 mm 10'8"
Change in Vertical Dimensions (average of front and rear)	4 mm 0.1"	20 mm 0.8"	–19 mm –0.8"	–33 mm –1.3"	–6 mm –0.2"	9 mm 0.4"
Change in Horizontal Reach	0 mm 0"	–10 mm –0.4"	6 mm 0.2"	19 mm 0.7"	–3 mm –0.1"	30 mm 1.2"
Change in Clearance Circle to Outside of Tires	41 mm 1.6"	15 mm 0.6"	30 mm 1.2"	22 mm 0.9"	44 mm 1.7"	–30 mm –1.2"
Change in Clearance Circle to Inside of Tires	–41 mm –1.6"	–15 mm –0.6"	–30 mm –1.2"	–22 mm –0.9"	–44 mm –1.7"	30 mm 1.2"
Change in Operating Weight (without Ballast)	500 kg 1,103 lb	708 kg 1,561 lb	–528 kg –1,164 lb	–388 kg –856 lb	252 kg 556 lb	5772 kg 12,727 lb
Change in Static Tipping Load – Straight	380 kg 838 lb	538 kg 1,187 lb	–402 kg –885 lb	–295 kg –651 lb	192 kg 423 lb	4390 kg 9,679 lb
Change in Static Tipping Load – Articulated	331 kg 730 lb	469 kg 1,033 lb	–350 kg –771 lb	–257 kg –566 lb	167 kg 368 lb	3821 kg 8,425 lb
Rear Axle Oscillation Angle	±13 degrees	±13 degrees	±13 degrees	±13 degrees	±13 degrees	±8 degrees
Maximum Single-wheel Rise and Fall	549 mm 1'10"	549 mm 1'10"	549 mm 1'10"	549 mm 1'10"	549 mm 1'10"	340 mm 1'1"

*Width over tire bulge and includes tire growth.

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Tire Options

Tire Brand	Michelin	Bridgestone	Bridgestone	Maxam
Tire Size	**875/65R29**	**875/65R29**	**875/65R29**	**875/65R29**
Tread Type	**L–3**	**L–3**	**L–4**	**L–4**
Tread Pattern	**XHA2**	**VTS**	**VLTS**	**MS405DX**
Width over Tires – Maximum (empty)*	3373 mm 11'1"	3341 mm 11'0"	3344 mm 11'0"	3357 mm 11'1"
Width over Tires – Maximum (loaded)*	3384 mm 11'2"	3359 mm 11'1"	3366 mm 11'1"	3382 mm 11'2"
Change in Vertical Dimensions (average of front and rear)	–25 mm –1"	–19 mm –0.8"	–16 mm –0.6"	–34 mm –1.3"
Change in Horizontal Reach	18 mm 0.7"	20 mm 0.8"	19 mm 0.7"	19 mm 0.7"
Change in Clearance Circle to Outside of Tires	124 mm 4.9"	99 mm 3.9"	106 mm 4.2"	122 mm 4.8"
Change in Clearance Circle to Inside of Tires	–124 mm –4.9"	–99 mm –3.9"	–106 mm –4.2"	–122 mm –4.8"
Change in Operating Weight (without Ballast)	–40 kg –88 lb	240 kg 529 lb	316 kg 697 lb	308 kg 679 lb
Change in Static Tipping Load – Straight	–30 kg –67 lb	183 kg 402 lb	240 kg 530 lb	234 kg 516 lb
Change in Static Tipping Load – Articulated	–26 kg –58 lb	159 kg 350 lb	209 kg 461 lb	204 kg 450 lb
Rear Axle Oscillation Angle	±8 degrees	±8 degrees	±8 degrees	±8 degrees
Maximum Single-wheel Rise and Fall	340 mm 1'1"	340 mm 1'1"	340 mm 1'1"	340 mm 1'1"

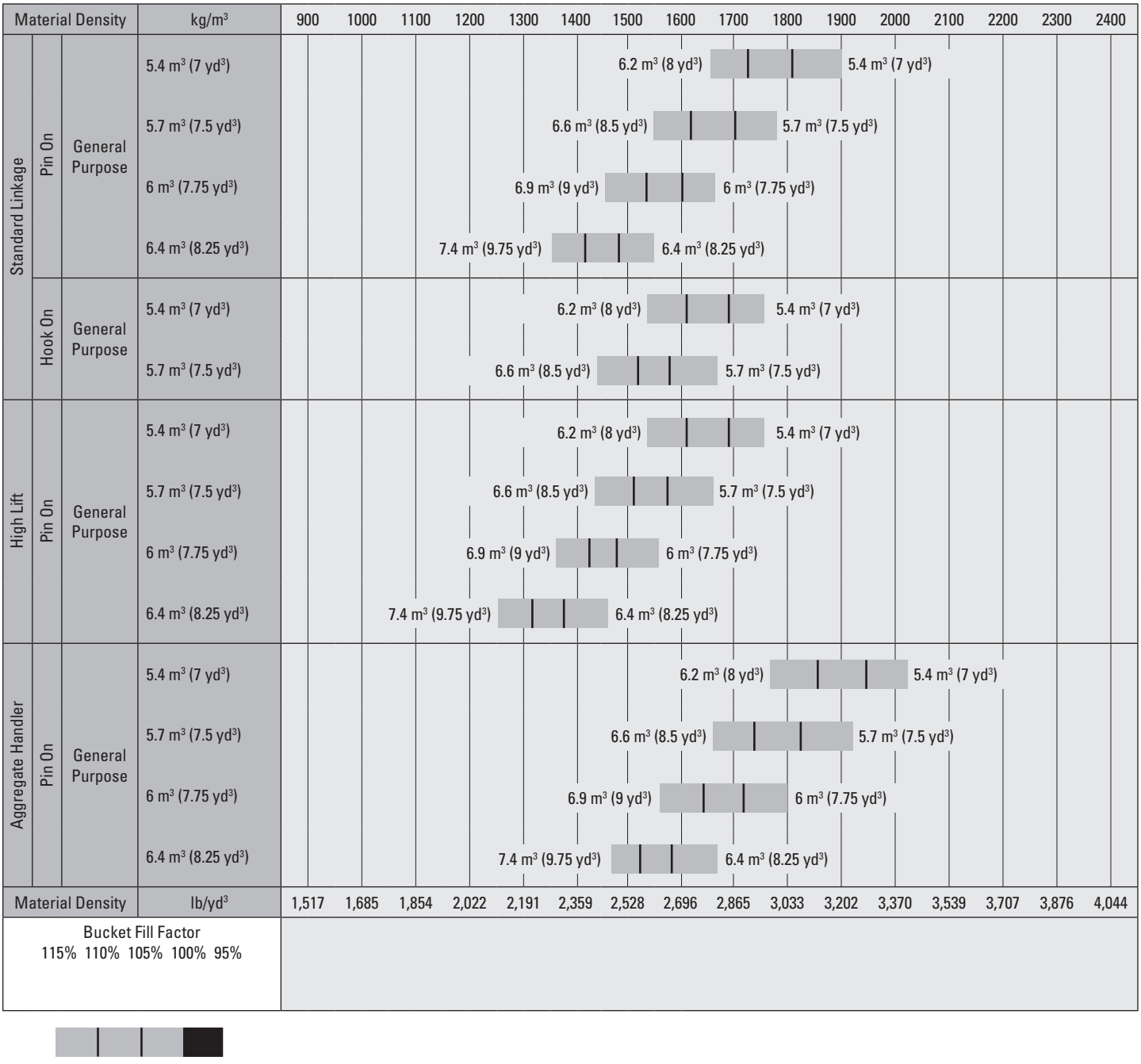
*Width over tire bulge and includes tire growth.

Bucket Fill Factors and Selection Guide

The bucket size must be chosen based on the density of the material and on the expected fill factor. The Cat Performance Series Buckets with longer floor, larger bucket opening, increased repository angle, rounded side boards and integrated spill guard demonstrate fill factors significantly higher than previous generation or non-Cat buckets. The actual volume handled by the machine is thus often larger than the rated capacity.

Loose Material		Fill Factor (%)*	Material Density
Earth/Clay		115	1.5-1.7
Sand and Gravel		115	1.5-1.7
Aggregate:	25-76 mm (1 to 3 in)	110	1.6-1.7
	19 mm (0.75 in) and smaller	105	1.8
Rock:	76 mm (3 in) and larger	100	1.6

*As a % of ISO 7546:1983 rated capacity.
Note: Fill Factors achieved will also depend on whether the product is washed or not washed.



Note: All buckets are showing Bolt-On Edges.

980 XE Wheel Loader Specifications

Bucket Fill Factors and Selection Guide

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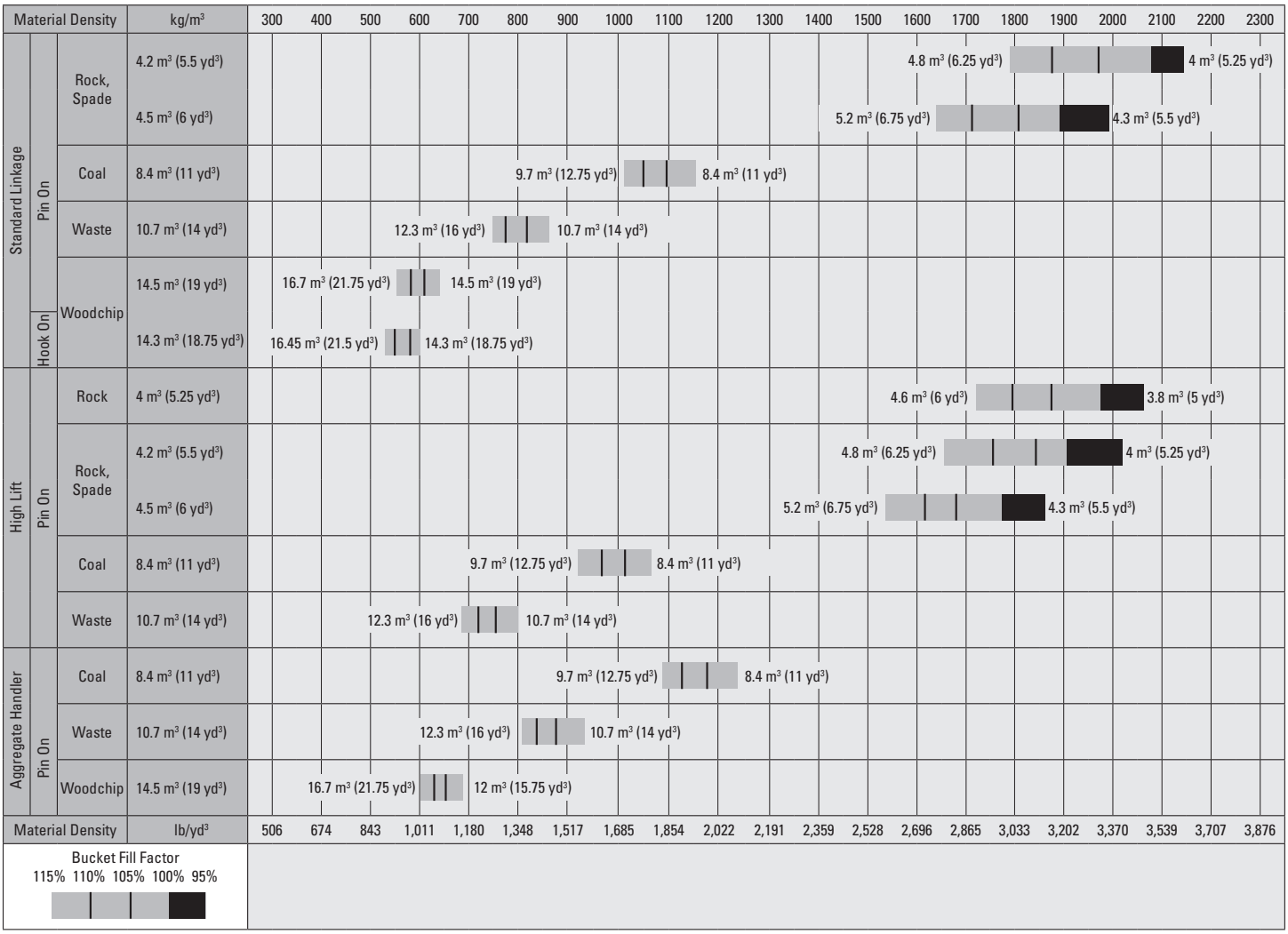


Note: All buckets are showing Bolt-On Edges.

Operating Specifications – Buckets

Linkage		Standard Linkage			
Bucket Type		General Purpose – Pin On			
Edge Type		Bolt-On Cutting Edges	Teeth and Segments	Bolt-On Cutting Edges	Teeth and Segments
Capacity – Rated	m^3	5.40	5.40	5.70	5.70
	yd^3	7.00	7.00	7.50	7.50
Capacity – Rated at 110% Fill Factor	m^3	5.90	5.90	6.30	6.30
	yd^3	7.75	7.75	8.25	8.25
Width	mm	3447	3535	3447	3535
	ft/in	11'3"	11'7"	11'3"	11'7"
16† Dump Clearance at Maximum Lift and 45° Discharge	mm	3287	3121	3219	3051
	ft/in	10'9"	10'2"	10'6"	10'0"
17† Reach at Maximum Lift and 45° Discharge	mm	1481	1618	1529	1664
	ft/in	4'10"	5'3"	5'0"	5'5"
Reach at Level Lift Arm and Bucket Level	mm	2966	3177	3050	3261
	ft/in	9'8"	10'5"	10'0"	10'8"
A† Digging Depth	mm	88	88	88	88
	in	3.4"	3.4"	3.4"	3.4"
12† Overall Length	mm	9673	9915	9757	9999
	ft/in	31'9"	32'7"	32'1"	32'10"
B† Overall Height with Bucket at Maximum Lift	mm	6435	6435	6258	6258
	ft/in	21'2"	21'2"	20'7"	20'7"
Loader Clearance Circle Radius with Bucket at Carry Position	mm	7612	7725	7635	7749
	ft/in	25'0"	25'5"	25'1"	25'6"
Static Tipping Load, Straight (ISO)*	kg	22 809	22 623	22 564	22 377
	lb	50,271	49,861	49,732	49,321
Static Tipping Load, Straight (Rigid Tire)*	kg	24 219	24 032	23 977	23 788
	lb	53,380	52,967	52,845	52,429
Static Tipping Load, Articulated (ISO)*	kg	19 706	19 520	19 478	19 291
	lb	43,432	43,022	42,931	42,518
Static Tipping Load, Articulated (Rigid Tire)*	kg	20 965	20 777	20 740	20 552
	lb	46,208	45,794	45,713	45,296
Breakout Force (§)	kN	227	224	214	211
	lbf	51,008	50,477	48,132	47,613
Operating Weight*	kg	30 344	30 482	30 427	30 565
	lb	66,877	67,182	67,060	67,365

* Static tipping loads and operating weights shown are based on a machine configuration with Bridgestone 29.5R25 VSNT L4 radial tires, full fluids, operator, counterweight, ride control, cold start, roading fenders, power train guard, secondary steering and sound suppression.

† Illustration shown with Dimension charts.

***Rock bucket specifications are given on Bridgestone 29.5R25 VSDT L5 Radial tires.

(§)Measured 102 mm (4") behind tip of cutting edge with bucket hinge pin as pivot point in accordance with SAE J732C.

(§)Specifications and ratings conform to all applicable standards recommended by the Society of Automotive Engineers, including SAE Standard J732C governing loader ratings.

(ISO) Full compliance to ISO 14397-1:2007 Sections 1 thru 6, which requires 2% verification between calculations and testing.

(Rigid Tire) Compliance to ISO 14397-1:2007 Sections 1 thru 5.

Other buckets are available and offerings vary by region. Consult your local Cat dealer for further details.

980 XE Wheel Loader Specifications

Operating Specifications – Buckets

Linkage		Standard Linkage			
Bucket Type		General Purpose – Pin On			
Edge Type		Bolt-On Cutting Edges	Teeth and Segments	Bolt-On Cutting Edges	Teeth and Segments
Capacity – Rated	m^3	6.00	6.00	6.40	6.40
	yd^3	7.75	7.75	8.25	8.25
Capacity – Rated at 110% Fill Factor	m^3	6.60	6.60	7.00	7.00
	yd^3	8.75	8.75	9.25	9.25
Width	mm	3447	3535	3447	3535
	ft/in	11'3"	11'7"	11'3"	11'7"
16† Dump Clearance at Maximum Lift and 45° Discharge	mm	3201	3034	3145	2977
	ft/in	10'6"	9'11"	10'3"	9'9"
17† Reach at Maximum Lift and 45° Discharge	mm	1551	1686	1603	1737
	ft/in	5'1"	5'6"	5'3"	5'8"
Reach at Level Lift Arm and Bucket Level	mm	3078	3289	3155	3366
	ft/in	10'1"	10'9"	10'4"	11'0"
A† Digging Depth	mm	88	88	88	88
	in	3.4"	3.4"	3.4"	3.4"
12† Overall Length	mm	9785	10 027	9862	10 104
	ft/in	32'2"	32'11"	32'5"	33'2"
B† Overall Height with Bucket at Maximum Lift	mm	6284	6284	6604	6604
	ft/in	20'8"	20'8"	21'8"	21'8"
Loader Clearance Circle Radius with Bucket at Carry Position	mm	7643	7757	7664	7779
	ft/in	25'1"	25'6"	25'2"	25'7"
Static Tipping Load, Straight (ISO)*	kg	22 424	22 237	22 253	22 064
	lb	49,423	49,011	49,046	48,631
Static Tipping Load, Straight (Rigid Tire)*	kg	23 839	23 649	23 676	23 485
	lb	52,541	52,124	52,182	51,762
Static Tipping Load, Articulated (ISO)*	kg	19 343	19 155	19 183	18 994
	lb	42,632	42,219	42,280	41,864
Static Tipping Load, Articulated (Rigid Tire)*	kg	20 608	20 418	20 457	20 266
	lb	45,420	45,002	45,087	44,667
Breakout Force (§)	kN	210	207	199	197
	lbf	47,182	46,666	44,880	44,374
Operating Weight*	kg	30 523	30 661	30 585	30 723
	lb	67,272	67,577	67,408	67,713

* Static tipping loads and operating weights shown are based on a machine configuration with Bridgestone 29.5R25 VSNT L4 radial tires, full fluids, operator, counterweight, ride control, cold start, roading fenders, power train guard, secondary steering and sound suppression.

† Illustration shown with Dimension charts.

***Rock bucket specifications are given on Bridgestone 29.5R25 VSDT L5 Radial tires.

(§)Measured 102 mm (4") behind tip of cutting edge with bucket hinge pin as pivot point in accordance with SAE J732C.

(§)Specifications and ratings conform to all applicable standards recommended by the Society of Automotive Engineers, including SAE Standard J732C governing loader ratings.

(ISO) Full compliance to ISO 14397-1:2007 Sections 1 thru 6, which requires 2% verification between calculations and testing.

(Rigid Tire) Compliance to ISO 14397-1:2007 Sections 1 thru 5.

Other buckets are available and offerings vary by region. Consult your local Cat dealer for further details.

Operating Specifications – Buckets *(continued)*

Linkage		Standard Linkage			
Bucket Type		**General Purpose – Pin On – Abrasion**			
Edge Type		**Bolt-On Cutting Edges**	**Teeth and Segments**	**Bolt-On Cutting Edges**	**Teeth and Segments**
Capacity – Rated	m^3	5.70	5.70	6.00	6.00
	yd^3	7.50	7.50	7.75	7.75
Capacity – Rated at 110% Fill Factor	m^3	6.30	6.30	6.60	6.60
	yd^3	8.25	8.25	8.75	8.75
Width	mm	3447	3535	3447	3546
	ft/in	11'3"	11'7"	11'3"	11'7"
16† Dump Clearance at Maximum Lift and 45° Discharge	mm	3219	3051	3201	3037
	ft/in	10'6"	10'0"	10'6"	9'11"
17† Reach at Maximum Lift and 45° Discharge	mm	1529	1664	1550	1685
	ft/in	5'0"	5'5"	5'1"	5'6"
Reach at Level Lift Arm and Bucket Level	mm	3050	3261	3077	3286
	ft/in	10'0"	10'8"	10'1"	10'9"
A† Digging Depth	mm	88	88	88	88
	in	3.4"	3.4"	3.4"	3.4"
12† Overall Length	mm	9757	9999	9784	10 021
	ft/in	32'1"	32'10"	32'2"	32'11"
B† Overall Height with Bucket at Maximum Lift	mm	6258	6258	6524	6524
	ft/in	20'7"	20'7"	21'5"	21'5"
Loader Clearance Circle Radius with Bucket at Carry Position	mm	7635	7749	7642	7760
	ft/in	25'1"	25'6"	25'1"	25'6"
Static Tipping Load, Straight (ISO)*	kg	22 405	22 218	22 350	22 189
	lb	49,381	48,969	49,259	48,906
Static Tipping Load, Straight (Rigid Tire)*	kg	23 815	23 626	23 754	23 592
	lb	52,489	52,073	52,355	51,998
Static Tipping Load, Articulated (ISO)*	kg	19 319	19 132	19 279	19 118
	lb	42,580	42,167	42,491	42,137
Static Tipping Load, Articulated (Rigid Tire)*	kg	20 579	20 390	20 535	20 373
	lb	45,357	44,941	45,259	44,903
Breakout Force (§)	kN	213	211	210	208
	lbf	48,005	47,485	47,198	46,738
Operating Weight*	kg	30 573	30 711	30 522	30 639
	lb	67,382	67,687	67,269	67,528

* Static tipping loads and operating weights shown are based on a machine configuration with Bridgestone 29.5R25 VSNT L4 radial tires, full fluids, operator, counterweight, ride control, cold start, roading fenders, power train guard, secondary steering and sound suppression.

† Illustration shown with Dimension charts.

*** Rock bucket specifications are given on Bridgestone 29.5R25 VSDT L5 Radial tires.

(§) Measured 102 mm (4") behind tip of cutting edge with bucket hinge pin as pivot point in accordance with SAE J732C.

(§) Specifications and ratings conform to all applicable standards recommended by the Society of Automotive Engineers, including SAE Standard J732C governing loader ratings.

(ISO) Full compliance to ISO 14397-1:2007 Sections 1 thru 6, which requires 2% verification between calculations and testing.

(Rigid Tire) Compliance to ISO14397-1:2007 Sections 1 thru 5.

Other buckets are available and offerings vary by region. Consult your local Cat dealer for further details.

980 XE Wheel Loader Specifications

Operating Specifications – Buckets *(continued)*

Linkage		Standard Linkage		
Bucket Type		**Flat Floor – Pin On**		**Flat Floor – Pin On – Light Material (Coal)**
Edge Type		**Bolt-On Cutting Edges**	**Teeth and Segments**	**Bolt-On Cutting Edges**
Capacity – Rated	m^3	5.70	5.70	8.40
	yd^3	7.50	7.50	11.00
Capacity – Rated at 110% Fill Factor	m^3	6.30	6.30	9.20
	yd^3	8.25	8.25	12.00
Width	mm	3447	3535	3638
	ft/in	11'3"	11'7"	11'11"
16† Dump Clearance at Maximum Lift and 45° Discharge	mm	3120	2943	2936
	ft/in	10'2"	9'7"	9'7"
17† Reach at Maximum Lift and 45° Discharge	mm	1444	1566	1628
	ft/in	4'8"	5'1"	5'4"
Reach at Level Lift Arm and Bucket Level	mm	3075	3286	3335
	ft/in	10'1"	10'9"	10'11"
A† Digging Depth	mm	88	88	88
	in	3.4"	3.4"	3.4"
12† Overall Length	mm	9782	10 024	10 042
	ft/in	32'2"	32'11"	33'0"
B† Overall Height with Bucket at Maximum Lift	mm	6257	6257	6781
	ft/in	20'7"	20'7"	22'3"
Loader Clearance Circle Radius with Bucket at Carry Position	mm	7642	7756	7802
	ft/in	25'1"	25'6"	25'8"
Static Tipping Load, Straight (ISO)*	kg	22 062	21 878	21 915
	lb	48,626	48,220	48,314
Static Tipping Load, Straight (Rigid Tire)*	kg	23 432	23 246	23,387
	lb	51,644	51,234	51,559
Static Tipping Load, Articulated (ISO)*	kg	19 030	18 846	18 842
	lb	41,943	41,536	41,540
Static Tipping Load, Articulated (Rigid Tire)*	kg	20 254	20 068	20 164
	lb	44,640	44,230	44,454
Breakout Force (§)	kN	210	208	178
	lbf	47,288	46,772	40,069
Operating Weight*	kg	30 552	30 690	30 851
	lb	67,336	67,641	68,013

* Static tipping loads and operating weights shown are based on a machine configuration with Bridgestone 29.5R25 VSNT L4 radial tires, full fluids, operator, counterweight, ride control, cold start, roading fenders, power train guard, secondary steering and sound suppression.

† Illustration shown with Dimension charts.

***Rock bucket specifications are given on Bridgestone 29.5R25 VSDT L5 Radial tires.

(§)Measured 102 mm (4") behind tip of cutting edge with bucket hinge pin as pivot point in accordance with SAE J732C.

(§)Specifications and ratings conform to all applicable standards recommended by the Society of Automotive Engineers, including SAE Standard J732C governing loader ratings.

(ISO) Full compliance to ISO 14397-1:2007 Sections 1 thru 6, which requires 2% verification between calculations and testing.

(Rigid Tire) Compliance to ISO 14397-1:2007 Sections 1 thru 5.

Other buckets are available and offerings vary by region. Consult your local Cat dealer for further details.

Operating Specifications – Buckets *(continued)*

Linkage		Standard Linkage	
Bucket Type		**Rock, Spade*** – Pin On**	
Edge Type		**Teeth and Segments**	**Teeth and Segments**
Capacity – Rated	m^3	4.40	4.50
	yd^3	5.75	6.00
Capacity – Rated at 110% Fill Factor	m^3	4.80	5.00
	yd^3	6.25	6.50
Width	mm	3524	3524
	ft/in	11'6"	11'6"
16† Dump Clearance at Maximum Lift and 45° Discharge	mm	3134	3134
	ft/in	10'3"	10'3"
17† Reach at Maximum Lift and 45° Discharge	mm	1768	1768
	ft/in	5'9"	5'9"
Reach at Level Lift Arm and Bucket Level	mm	3278	3278
	ft/in	10'9"	10'9"
A† Digging Depth	mm	83	83
	in	3.2"	3.2"
12† Overall Length	mm	9990	9990
	ft/in	32'10"	32'10"
B† Overall Height with Bucket at Maximum Lift	mm	6209	6209
	ft/in	20'5"	20'5"
Loader Clearance Circle Radius with Bucket at Carry Position	mm	7738	7738
	ft/in	25'5"	25'5"
Static Tipping Load, Straight (ISO)*	kg	23 435	23 076
	lb	51,651	50,874
Static Tipping Load, Straight (Rigid Tire)*	kg	24 871	24 523
	lb	54,817	54,064
Static Tipping Load, Articulated (ISO)*	kg	20 232	19 867
	lb	44,593	43,801
Static Tipping Load, Articulated (Rigid Tire)*	kg	21 513	21 158
	lb	47,415	46,646
Breakout Force (§)	kN	213	211
	lbf	47,885	47,563
Operating Weight*	kg	31 030	31 455
	lb	68,390	69,345

* Static tipping loads and operating weights shown are based on a machine configuration with Bridgestone 29.5R25 VSNT L4 radial tires, full fluids, operator, counterweight, ride control, cold start, roading fenders, power train guard, secondary steering and sound suppression.

† Illustration shown with Dimension charts.

*** Rock bucket specifications are given on Bridgestone 29.5R25 VSDT L5 Radial tires.

(§) Measured 102 mm (4") behind tip of cutting edge with bucket hinge pin as pivot point in accordance with SAE J732C.

(§) Specifications and ratings conform to all applicable standards recommended by the Society of Automotive Engineers, including SAE Standard J732C governing loader ratings.

(ISO) Full compliance to ISO 14397-1:2007 Sections 1 thru 6, which requires 2% verification between calculations and testing.

(Rigid Tire) Compliance to ISO 14397-1:2007 Sections 1 thru 5.

Other buckets are available and offerings vary by region. Consult your local Cat dealer for further details.

Operating Specifications – Buckets *(continued)*

Linkage		Standard Linkage			
Bucket Type		**General Purpose – Hook On – Fusion™**			
Edge Type		**Bolt-On Cutting Edges**	**Teeth and Segments**	**Bolt-On Cutting Edges**	**Teeth and Segments**
Capacity – Rated	m^3	5.40	5.40	5.70	5.70
	yd^3	7.00	7.00	7.50	7.50
Capacity – Rated at 110% Fill Factor	m^3	5.90	5.90	6.30	6.30
	yd^3	7.75	7.75	8.25	8.25
Width	mm	3447	3535	3447	3535
	ft/in	11'3"	11'7"	11'3"	11'7"
16† Dump Clearance at Maximum Lift and 45° Discharge	mm	3183	3017	3117	2950
	ft/in	10'5"	9'10"	10'2"	9'8"
17† Reach at Maximum Lift and 45° Discharge	mm	1588	1724	1640	1775
	ft/in	5'2"	5'7"	5'4"	5'9"
Reach at Level Lift Arm and Bucket Level	mm	3116	3327	3200	3411
	ft/in	10'2"	10'11"	10'6"	11'2"
A† Digging Depth	mm	93	93	93	93
	in	3.6"	3.6"	3.6"	3.6"
12† Overall Length	mm	9827	10 069	9911	10 153
	ft/in	32'3"	33'1"	32'7"	33'4"
B† Overall Height with Bucket at Maximum Lift	mm	6532	6532	6599	6599
	ft/in	21'6"	21'6"	21'8"	21'8"
Loader Clearance Circle Radius with Bucket at Carry Position	mm	7694	7817	7721	7845
	ft/in	25'3"	25'8"	25'4"	25'9"
Static Tipping Load, Straight (ISO)*	kg	21 361	21 177	21 136	20 950
	lb	47,080	46,674	46,584	46,175
Static Tipping Load, Straight (Rigid Tire)*	kg	22 728	22 542	22 511	22 324
	lb	50,092	49,682	49,615	49,202
Static Tipping Load, Articulated (ISO)*	kg	18 354	18 169	18 140	17 954
	lb	40,452	40,046	39,981	39,572
Static Tipping Load, Articulated (Rigid Tire)*	kg	19 576	19 390	19 372	19 185
	lb	43,147	42,737	42,697	42,284
Breakout Force (§)	kN	203	201	193	190
	lbf	45,829	45,315	43,399	42,894
Operating Weight*	kg	31 086	31 224	31 196	31 334
	lb	68,513	68,817	68,755	69,060

* Static tipping loads and operating weights shown are based on a machine configuration with Bridgestone 29.5R25 VSNT L4 radial tires, full fluids, operator, counterweight, ride control, cold start, roading fenders, power train guard, secondary steering and sound suppression.

† Illustration shown with Dimension charts.

***Rock bucket specifications are given on Bridgestone 29.5R25 VSDT L5 Radial tires.

(§)Measured 102 mm (4") behind tip of cutting edge with bucket hinge pin as pivot point in accordance with SAE J732C.

(§)Specifications and ratings conform to all applicable standards recommended by the Society of Automotive Engineers, including SAE Standard J732C governing loader ratings.

(ISO) Full compliance to ISO 14397-1:2007 Sections 1 thru 6, which requires 2% verification between calculations and testing.

(Rigid Tire) Compliance to ISO 14397-1:2007 Sections 1 thru 5.

Other buckets are available and offerings vary by region. Consult your local Cat dealer for further details.

Operating Specifications – Buckets *(continued)*

Linkage		High Lift Linkage			
Bucket Type		General Purpose – Pin On			
Edge Type		**Bolt-On Cutting Edges**	**Teeth and Segments**	**Bolt-On Cutting Edges**	**Teeth and Segments**
Capacity – Rated	m^3	5.40	5.40	5.70	5.70
	yd^3	7.00	7.00	7.50	7.50
Capacity – Rated at 110% Fill Factor	m^3	5.90	5.90	6.30	6.30
	yd^3	7.75	7.75	8.25	8.25
Width	mm	3447	3535	3447	3535
	ft/in	11'3"	11'7"	11'3"	11'7"
16† Dump Clearance at Maximum Lift and 45° Discharge	mm	3508	3342	3439	3272
	ft/in	11'6"	10'11"	11'3"	10'8"
17† Reach at Maximum Lift and 45° Discharge	mm	1484	1621	1532	1667
	ft/in	4'10"	5'3"	5'0"	5'5"
Reach at Level Lift Arm and Bucket Level	mm	3126	3337	3210	3421
	ft/in	10'3"	10'11"	10'6"	11'2"
A† Digging Depth	mm	86	86	86	86
	in	3.4"	3.4"	3.4"	3.4"
12† Overall Length	mm	9875	10 114	9959	10 198
	ft/in	32'5"	33'3"	32'9"	33'6"
B† Overall Height with Bucket at Maximum Lift	mm	6656	6656	6478	6478
	ft/in	21'11"	21'11"	21'4"	21'4"
Loader Clearance Circle Radius with Bucket at Carry Position	mm	8114	8226	8137	8250
	ft/in	26'8"	27'0"	26'9"	27'1"
Static Tipping Load, Straight (ISO)*	kg	20 833	20 650	20 603	20 419
	lb	45,917	45,513	45,410	45,004
Static Tipping Load, Straight (Rigid Tire)*	kg	22 033	21 849	21 805	21 619
	lb	48,562	48,156	48,058	47,649
Static Tipping Load, Articulated (ISO)*	kg	18 354	18 171	18 137	17 953
	lb	40,453	40,049	39,975	39,569
Static Tipping Load, Articulated (Rigid Tire)*	kg	19 430	19 245	19 215	19 029
	lb	42,823	42,416	42,351	41,941
Breakout Force (§)	kN	230	228	217	215
	lbf	51,775	51,273	48,860	48,369
Operating Weight*	kg	30 477	30 616	30 560	30 699
	lb	67,171	67,476	67,354	67,659

* Static tipping loads and operating weights shown are based on a machine configuration with Bridgestone 29.5R25 VSNT L4 radial tires, full fluids, operator, counterweight, ride control, cold start, roading fenders, power train guard, secondary steering and sound suppression.

† Illustration shown with Dimension charts.

***Rock bucket specifications are given on Bridgestone 29.5R25 VSDT L5 Radial tires.

(§)Measured 102 mm (4") behind tip of cutting edge with bucket hinge pin as pivot point in accordance with SAE J732C.

(§)Specifications and ratings conform to all applicable standards recommended by the Society of Automotive Engineers, including SAE Standard J732C governing loader ratings.

(ISO) Full compliance to ISO 14397-1:2007 Sections 1 thru 6, which requires 2% verification between calculations and testing.

(Rigid Tire) Compliance to ISO 14397-1:2007 Sections 1 thru 5.

Other buckets are available and offerings vary by region. Consult your local Cat dealer for further details.

980 XE Wheel Loader Specifications

Operating Specifications – Buckets *(continued)*

Linkage			High Lift Linkage			
Bucket Type			General Purpose – Pin On			
	Edge Type		Bolt-On Cutting Edges	Teeth and Segments	Bolt-On Cutting Edges	Teeth and Segments
	Capacity – Rated	m^3	6.00	6.00	6.40	6.40
		yd^3	7.75	7.75	8.25	8.25
	Capacity – Rated at 110% Fill Factor	m^3	6.60	6.60	7.00	7.00
		yd^3	8.75	8.75	9.25	9.25
	Width	mm	3447	3535	3447	3535
		ft/in	11'3"	11'7"	11'3"	11'7"
16†	Dump Clearance at Maximum Lift and 45° Discharge	mm	3421	3254	3366	3198
		ft/in	11'2"	10'8"	11'0"	10'5"
17†	Reach at Maximum Lift and 45° Discharge	mm	1554	1688	1606	1740
		ft/in	5'1"	5'6"	5'3"	5'8"
	Reach at Level Lift Arm and Bucket Level	mm	3238	3449	3315	3526
		ft/in	10'7"	11'3"	10'10"	11'6"
A†	Digging Depth	mm	86	86	86	86
		in	3.4"	3.4"	3.4"	3.4"
12†	Overall Length	mm	9987	10 226	10 064	10 303
		ft/in	32'10"	33'7"	33'1"	33'10"
B†	Overall Height with Bucket at Maximum Lift	mm	6504	6504	6824	6824
		ft/in	21'5"	21'5"	22'5"	22'5"
	Loader Clearance Circle Radius with Bucket at Carry Position	mm	8144	8258	8166	8279
		ft/in	26'9"	27'2"	26'10"	27'2"
	Static Tipping Load, Straight (ISO)*	kg	20 466	20 282	20 302	20 117
		lb	45,108	44,702	44,747	44,338
	Static Tipping Load, Straight (Rigid Tire)*	kg	21 669	21 483	21 512	21 324
		lb	47,760	47,350	47,413	47,000
	Static Tipping Load, Articulated (ISO)*	kg	18 004	17 820	17 850	17 664
		lb	39,682	39,275	39,342	38,932
	Static Tipping Load, Articulated (Rigid Tire)*	kg	19 084	18 898	18 937	18 749
		lb	42,062	41,651	41,737	41,323
	Breakout Force (§)	kN	213	211	202	200
		lbf	47,897	47,409	45,564	45,084
	Operating Weight*	kg	30 656	30 795	30 718	30 857
		lb	67,566	67,871	67,703	68,007

* Static tipping loads and operating weights shown are based on a machine configuration with Bridgestone 29.5R25 VSNT L4 radial tires, full fluids, operator, counterweight, ride control, cold start, roading fenders, power train guard, secondary steering and sound suppression.

† Illustration shown with Dimension charts.

***Rock bucket specifications are given on Bridgestone 29.5R25 VSDT L5 Radial tires.

(§)Measured 102 mm (4") behind tip of cutting edge with bucket hinge pin as pivot point in accordance with SAE J732C.

(§)Specifications and ratings conform to all applicable standards recommended by the Society of Automotive Engineers, including SAE Standard J732C governing loader ratings.

(ISO) Full compliance to ISO 14397-1:2007 Sections 1 thru 6, which requires 2% verification between calculations and testing.

(Rigid Tire) Compliance to ISO 14397-1:2007 Sections 1 thru 5.

Other buckets are available and offerings vary by region. Consult your local Cat dealer for further details.

Operating Specifications – Buckets *(continued)*

Linkage		High Lift Linkage			
Bucket Type		General Purpose – Pin On – Abrasion			
Edge Type		Bolt-On Cutting Edges	Teeth and Segments	Bolt-On Cutting Edges	Teeth and Segments
Capacity – Rated	m^3	5.70	5.70	6.00	6.00
	yd^3	7.50	7.50	7.75	7.75
Capacity – Rated at 110% Fill Factor	m^3	6.30	6.30	6.60	6.60
	yd^3	8.25	8.25	8.75	8.75
Width	mm	3447	3535	3447	3546
	ft/in	11'3"	11'7"	11'3"	11'7"
16† Dump Clearance at Maximum Lift and 45° Discharge	mm	3439	3272	3422	3258
	ft/in	11'3"	10'8"	11'2"	10'8"
17† Reach at Maximum Lift and 45° Discharge	mm	1532	1667	1553	1688
	ft/in	5'0"	5'5"	5'1"	5'6"
Reach at Level Lift Arm and Bucket Level	mm	3210	3421	3237	3446
	ft/in	10'6"	11'2"	10'7"	11'3"
A† Digging Depth	mm	86	86	86	86
	in	3.4"	3.4"	3.4"	3.4"
12† Overall Length	mm	9959	10 198	9986	10 221
	ft/in	32'9"	33'6"	32'10"	33'7"
B† Overall Height with Bucket at Maximum Lift	mm	6478	6478	6744	6744
	ft/in	21'4"	21'4"	22'2"	22'2"
Loader Clearance Circle Radius with Bucket at Carry Position	mm	8137	8250	8144	8261
	ft/in	26'9"	27'1"	26'9"	27' 2"
Static Tipping Load, Straight (ISO)*	kg	20 445	20 261	20 403	20 245
	lb	45,062	44,656	44,968	44,621
Static Tipping Load, Straight (Rigid Tire)*	kg	21 645	21 459	21 598	21 439
	lb	47,706	47,296	47,604	47,253
Static Tipping Load, Articulated (ISO)*	kg	17 980 XE	17 795	17 949	17 791
	lb	39,628	39,222	39,560	39,212
Static Tipping Load, Articulated (Rigid Tire)*	kg	19 055	18 870	19 022	18 862
	lb	41,999	41,589	41,924	41,573
Breakout Force (§)	kN	216	214	213	211
	lbf	48,733	48,241	47,914	47,479
Operating Weight*	kg	30 707	30 845	30 655	30 773
	lb	67,677	67,981	67,563	67,822

* Static tipping loads and operating weights shown are based on a machine configuration with Bridgestone 29.5R25 VSNT L4 radial tires, full fluids, operator, counterweight, ride control, cold start, roading fenders, power train guard, secondary steering and sound suppression.

† Illustration shown with Dimension charts.

***Rock bucket specifications are given on Bridgestone 29.5R25 VSDT L5 Radial tires.

(§)Measured 102 mm (4") behind tip of cutting edge with bucket hinge pin as pivot point in accordance with SAE J732C.

(§)Specifications and ratings conform to all applicable standards recommended by the Society of Automotive Engineers, including SAE Standard J732C governing loader ratings.

(ISO) Full compliance to ISO 14397-1:2007 Sections 1 thru 6, which requires 2% verification between calculations and testing.

(Rigid Tire) Compliance to ISO 14397-1:2007 Sections 1 thru 5.

Other buckets are available and offerings vary by region. Consult your local Cat dealer for further details.

Operating Specifications – Buckets *(continued)*

Linkage		High Lift Linkage		
Bucket Type		Flat Floor – Pin On		Flat Floor – Pin On – Light Material (Coal)
Edge Type		Bolt-On Cutting Edges	Teeth and Segments	Bolt-On Cutting Edges
Capacity – Rated	m^3	5.70	5.70	8.40
	yd^3	7.50	7.50	11.00
Capacity – Rated at 110% Fill Factor	m^3	6.30	6.30	9.20
	yd^3	8.25	8.25	12.00
Width	mm	3447	3535	3638
	ft/in	11'3"	11'7"	11'11"
16† Dump Clearance at Maximum Lift and 45° Discharge	mm	3340	3163	3156
	ft/in	10'11"	10'4"	10'4"
17† Reach at Maximum Lift and 45° Discharge	mm	1447	1569	1631
	ft/in	4'8"	5'1"	5'4"
Reach at Level Lift Arm and Bucket Level	mm	3235	3446	3495
	ft/in	10'7"	11'3"	11'5"
A† Digging Depth	mm	86	86	88
	in	3.4"	3.4"	3.4"
12† Overall Length	mm	9984	10 223	10 244
	ft/in	32'10"	33'7"	33'8"
B† Overall Height with Bucket at Maximum Lift	mm	6477	6477	7001
	ft/in	21'3"	21'3"	23'0"
Loader Clearance Circle Radius with Bucket at Carry Position	mm	8143	8257	8303
	ft/in	26'9"	27'2"	27'3"
Static Tipping Load, Straight (ISO)*	kg	20 155	19 973	19 951
	lb	44,423	44,022	43,985
Static Tipping Load, Straight (Rigid Tire)*	kg	21 323	21 140	21 198
	lb	46,996	46,592	46,735
Static Tipping Load, Articulated (ISO)*	kg	17 730	17 548	17 498
	lb	39,077	38,677	38,578
Static Tipping Load, Articulated (Rigid Tire)*	kg	18 777	18 594	18 623
	lb	41,386	40,982	41,057
Breakout Force (§)	kN	213	211	181
	lbf	48,005	47,516	40,689
Operating Weight*	kg	30 685	30 824	30 984
	lb	67,630	67,935	68,307

* Static tipping loads and operating weights shown are based on a machine configuration with Bridgestone 29.5R25 VSNT L4 radial tires, full fluids, operator, counterweight, ride control, cold start, roading fenders, power train guard, secondary steering and sound suppression.

† Illustration shown with Dimension charts.

*** Rock bucket specifications are given on Bridgestone 29.5R25 VSDT L5 Radial tires.

(§) Measured 102 mm (4") behind tip of cutting edge with bucket hinge pin as pivot point in accordance with SAE J732C.

(§) Specifications and ratings conform to all applicable standards recommended by the Society of Automotive Engineers, including SAE Standard J732C governing loader ratings.

(ISO) Full compliance to ISO 14397-1:2007 Sections 1 thru 6, which requires 2% verification between calculations and testing.

(Rigid Tire) Compliance to ISO 14397-1:2007 Sections 1 thru 5.

Other buckets are available and offerings vary by region. Consult your local Cat dealer for further details.

Operating Specifications – Buckets *(continued)*

Linkage		High Lift Linkage	
Bucket Type		**Rock, Spade*** – Pin On**	
Edge Type		**Teeth and Segments**	**Teeth and Segments**
Capacity – Rated	m^3	4.40	4.50
	yd^3	5.75	6.00
Capacity – Rated at 110% Fill Factor	m^3	4.80	5.00
	yd^3	6.25	6.50
Width	mm	3524	3524
	ft/in	11'6"	11'6"
16† Dump Clearance at Maximum Lift and 45° Discharge	mm	3355	3355
	ft/in	11'0"	11'0"
17† Reach at Maximum Lift and 45° Discharge	mm	1771	1771
	ft/in	5'9"	5'9"
Reach at Level Lift Arm and Bucket Level	mm	3438	3438
	ft/in	11'3"	11'3"
A† Digging Depth	mm	81	81
	in	3.2"	3.2"
12† Overall Length	mm	10 192	10 192
	ft/in	33'6"	33'6"
B† Overall Height with Bucket at Maximum Lift	mm	6422	6429
	ft/in	21'1"	21'2"
Loader Clearance Circle Radius with Bucket at Carry Position	mm	8239	8239
	ft/in	27'1"	27'1"
Static Tipping Load, Straight (ISO)*	kg	21 403	21 035
	lb	47,172	46,375
Static Tipping Load, Straight (Rigid Tire)*	kg	22 626	22 266
	lb	49,867	49,089
Static Tipping Load, Articulated (ISO)*	kg	18 844	18 472
	lb	41,533	40,725
Static Tipping Load, Articulated (Rigid Tire)*	kg	19 938	19 574
	lb	43,944	43,154
Breakout Force (§)	kN	216	214
	lbf	48,615	48,291
Operating Weight*	kg	31 164	31 588
	lb	68,685	69,639

* Static tipping loads and operating weights shown are based on a machine configuration with Bridgestone 29.5R25 VSNT L4 radial tires, full fluids, operator, counterweight, ride control, cold start, roading fenders, power train guard, secondary steering and sound suppression.

† Illustration shown with Dimension charts.

*** Rock bucket specifications are given on Bridgestone 29.5R25 VSDT L5 Radial tires.

(§) Measured 102 mm (4") behind tip of cutting edge with bucket hinge pin as pivot point in accordance with SAE J732C.

(§) Specifications and ratings conform to all applicable standards recommended by the Society of Automotive Engineers, including SAE Standard J732C governing loader ratings.

(ISO) Full compliance to ISO 14397-1:2007 Sections 1 thru 6, which requires 2% verification between calculations and testing.

(Rigid Tire) Compliance to ISO 14397-1:2007 Sections 1 thru 5.

Other buckets are available and offerings vary by region. Consult your local Cat dealer for further details.

Operating Specifications – Buckets *(continued)*

Linkage		High Lift Linkage			
Bucket Type		General Purpose – Hook On – Fusion			
Edge Type		**Bolt-On Cutting Edges**	**Teeth and Segments**	**Bolt-On Cutting Edges**	**Teeth and Segments**
Capacity – Rated	m^3	5.40	5.40	5.70	5.70
	yd^3	7.00	7.00	7.50	7.50
Capacity – Rated at 110% Fill Factor	m^3	5.90	5.90	6.30	6.30
	yd^3	7.75	7.75	8.25	8.25
Width	mm	3447	3535	3481	3546
	ft/in	11'3"	11'7"	11'5"	11'7"
16† Dump Clearance at Maximum Lift and 45° Discharge	mm	3403	3237	3339	3175
	ft/in	11'2"	10'7"	10'11"	10'5"
17† Reach at Maximum Lift and 45° Discharge	mm	1591	1727	1641	1776
	ft/in	5'2"	5'8"	5'4"	5'9"
Reach at Level Lift Arm and Bucket Level	mm	3276	3487	3358	3567
	ft/in	10'8"	11'5"	11'0"	11'8"
A† Digging Depth	mm	91	91	91	91
	in	3.6"	3.6"	3.6"	3.6"
12† Overall Length	mm	10 028	10 268	10 110	10 345
	ft/in	32'11"	33'9"	33'3"	34'0"
B† Overall Height with Bucket at Maximum Lift	mm	6752	6752	6820	6820
	ft/in	22'2"	22'2"	22'5"	22'5"
Loader Clearance Circle Radius with Bucket at Carry Position	mm	8199	8321	8240	8351
	ft/in	26'11"	27'4"	27'1"	27'5"
Static Tipping Load, Straight (ISO)*	kg	19 474	19 292	19 237	19 081
	lb	42,920	42,521	42,400	42,054
Static Tipping Load, Straight (Rigid Tire)*	kg	20 638	20 455	20 406	20 248
	lb	45,488	45,084	44,975	44,626
Static Tipping Load, Articulated (ISO)*	kg	17 068	16 887	16 842	16 685
	lb	37,619	37,219	37,121	36,775
Static Tipping Load, Articulated (Rigid Tire)*	kg	18 114	17 931	17 892	17 734
	lb	39,923	39,520	39,435	39,086
Breakout Force (§)	kN	207	204	196	194
	lbf	46,533	46,045	44,095	43,669
Operating Weight*	kg	31 219	31 358	31 342	31 460
	lb	68,807	69,112	69,077	69,336

* Static tipping loads and operating weights shown are based on a machine configuration with Bridgestone 29.5R25 VSNT L4 radial tires, full fluids, operator, counterweight, ride control, cold start, roading fenders, power train guard, secondary steering and sound suppression.

† Illustration shown with Dimension charts.

***Rock bucket specifications are given on Bridgestone 29.5R25 VSDT L5 Radial tires.

(§)Measured 102 mm (4") behind tip of cutting edge with bucket hinge pin as pivot point in accordance with SAE J732C.

(§)Specifications and ratings conform to all applicable standards recommended by the Society of Automotive Engineers, including SAE Standard J732C governing loader ratings.

(ISO) Full compliance to ISO 14397-1:2007 Sections 1 thru 6, which requires 2% verification between calculations and testing.

(Rigid Tire) Compliance to ISO 14397-1:2007 Sections 1 thru 5.

Other buckets are available and offerings vary by region. Consult your local Cat dealer for further details.

Operating Specifications – Buckets *(continued)*

Linkage		Aggregate Handler Linkage			
Bucket Type		General Purpose – Pin On			
Edge Type		Bolt-On Cutting Edges	Teeth and Segments	Bolt-On Cutting Edges	Teeth and Segments
Capacity – Rated	m^3	5.40	5.40	5.70	5.70
	yd^3	7.00	7.00	7.50	7.50
Capacity – Rated at 110% Fill Factor	m^3	5.90	5.90	6.30	6.30
	yd^3	7.75	7.75	8.25	8.25
Width	mm	3447	3535	3447	3535
	ft/in	11'3"	11'7"	11'3"	11'7"
16† Dump Clearance at Maximum Lift and 45° Discharge	mm	3287	3121	3219	3051
	ft/in	10'9"	10'2"	10'6"	10'0"
17† Reach at Maximum Lift and 45° Discharge	mm	1481	1618	1529	1664
	ft/in	4'10"	5'3"	5'0"	5'5"
Reach at Level Lift Arm and Bucket Level	mm	2966	3177	3050	3261
	ft/in	9'8"	10'5"	10'0"	10'8"
A† Digging Depth	mm	88	88	88	88
	in	3.4"	3.4"	3.4"	3.4"
12† Overall Length	mm	9677	9919	9761	10 003
	ft/in	31'9"	32'7"	32'1"	32'10"
B† Overall Height with Bucket at Maximum Lift	mm	6435	6435	6258	6258
	ft/in	21'2"	21'2"	20'7"	20'7"
Loader Clearance Circle Radius with Bucket at Carry Position	mm	7612	7725	7635	7749
	ft/in	25'0"	25'5"	25'1"	25'6"
Static Tipping Load, Straight (ISO)*	kg	24 404	24 218	24 149	23 963
	lb	53,786	53,377	53,226	52,814
Static Tipping Load, Straight (Rigid Tire)*	kg	25 939	25 752	25 687	25 498
	lb	57,171	56,758	56,615	56,199
Static Tipping Load, Articulated (ISO)*	kg	21 012	20 826	20 776	20 589
	lb	46,312	45,902	45,792	45,380
Static Tipping Load, Articulated (Rigid Tire)*	kg	22 406	22 218	22 173	21 984
	lb	49,383	48,969	48,870	48,454
Breakout Force (§)	kN	227	224	214	211
	lbf	51,008	50,477	48,132	47,613
Operating Weight*	kg	30 985	31 123	31 068	31 206
	lb	68,290	68,595	68,473	68,778

* Static tipping loads and operating weights shown are based on a machine configuration with Bridgestone 29.5R25 VSNT L4 radial tires, full fluids, operator, counterweight, ride control, cold start, roading fenders, power train guard, secondary steering and sound suppression.

** Aggregate Handler configuration is not compatible with rock buckets, and high lift.

† Illustration shown with Dimension charts.

(§)Measured 102 mm (4") behind tip of cutting edge with bucket hinge pin as pivot point in accordance with SAE J732C.

(§)Specifications and ratings conform to all applicable standards recommended by the Society of Automotive Engineers, including SAE Standard J732C governing loader ratings.

(ISO) Full compliance to ISO 14397-1:2007 Sections 1 thru 6, which requires 2% verification between calculations and testing.

(Rigid Tire) Compliance to ISO 14397-1:2007 Sections 1 thru 5.

Other buckets are available and offerings vary by region. Consult your local Cat dealer for further details.

980 XE Wheel Loader Specifications

Operating Specifications – Buckets *(continued)*

Linkage			Aggregate Handler Linkage			
Bucket Type			General Purpose – Pin On			
	Edge Type		Bolt-On Cutting Edges	Teeth and Segments	Bolt-On Cutting Edges	Teeth and Segments
	Capacity – Rated	m^3	6.00	6.00	6.40	6.40
		yd^3	7.75	7.75	8.25	8.25
	Capacity – Rated at 110% Fill Factor	m^3	6.60	6.60	7.00	7.00
		yd^3	8.75	8.75	9.25	9.25
	Width	mm	3447	3535	3447	3535
		ft/in	11'3"	11'7"	11'3"	11'7"
16†	Dump Clearance at Maximum Lift and 45° Discharge	mm	3201	3034	3145	2977
		ft/in	10'6"	9'11"	10'3"	9'9"
17†	Reach at Maximum Lift and 45° Discharge	mm	1551	1686	1603	1737
		ft/in	5'1"	5'6"	5'3"	5'8"
	Reach at Level Lift Arm and Bucket Level	mm	3078	3289	3155	3366
		ft/in	10'1"	10'9"	10'4"	11'0"
A†	Digging Depth	mm	88	88	88	88
		in	3.4"	3.4"	3.4"	3.4"
12†	Overall Length	mm	9789	10 031	9866	10 108
		ft/in	32'2"	32'11"	32'5"	33'2"
B†	Overall Height with Bucket at Maximum Lift	mm	6284	6284	6604	6604
		ft/in	20'8"	20'8"	21'8"	21'8"
	Loader Clearance Circle Radius with Bucket at Carry Position	mm	7643	7757	7664	7779
		ft/in	25'1"	25'6"	25'2"	25'7"
	Static Tipping Load, Straight (ISO)*	kg	24 006	23 819	23 828	23 639
		lb	52,910	52,498	52,517	52,102
	Static Tipping Load, Straight (Rigid Tire)*	kg	25 547	25 357	25 377	25 186
		lb	56,305	55,888	55,932	55,512
	Static Tipping Load, Articulated (ISO)*	kg	20 638	20 451	20 472	20 283
		lb	45,488	45,074	45,121	44,705
	Static Tipping Load, Articulated (Rigid Tire)*	kg	22 038	21 849	21 882	21 691
		lb	48,572	48,155	48,228	47,807
	Breakout Force (§)	kN	210	207	199	197
		lbf	47,182	46,666	44,880	44,374
	Operating Weight*	kg	31 164	31 302	31 226	31 364
		lb	68,685	68,990	68,822	69,126

* Static tipping loads and operating weights shown are based on a machine configuration with Bridgestone 29.5R25 VSNT L4 radial tires, full fluids, operator, counterweight, ride control, cold start, roading fenders, power train guard, secondary steering and sound suppression.

** Aggregate Handler configuration is not compatible with rock buckets, and high lift.

† Illustration shown with Dimension charts.

(§)Measured 102 mm (4") behind tip of cutting edge with bucket hinge pin as pivot point in accordance with SAE J732C.

(§)Specifications and ratings conform to all applicable standards recommended by the Society of Automotive Engineers, including SAE Standard J732C governing loader ratings.

(ISO) Full compliance to ISO 14397-1:2007 Sections 1 thru 6, which requires 2% verification between calculations and testing.

(Rigid Tire) Compliance to ISO 14397-1:2007 Sections 1 thru 5.

Other buckets are available and offerings vary by region. Consult your local Cat dealer for further details.

Operating Specifications – Buckets *(continued)*

Linkage		Aggregate Handler Linkage		
Bucket Type		**Flat Floor – Pin On**		**Flat Floor – Pin On – Light Material (Coal)**
Edge Type		**Bolt-On Cutting Edges**	**Teeth and Segments**	**Bolt-On Cutting Edges**
Capacity – Rated	m^3	5.70	5.70	8.40
	yd^3	7.50	7.50	11.00
Capacity – Rated at 110% Fill Factor	m^3	6.30	6.30	9.20
	yd^3	8.25	8.25	12.00
Width	mm	3447	3535	3638
	ft/in	11'3"	11'7"	11'11"
16† Dump Clearance at Maximum Lift and 45° Discharge	mm	3120	2943	2936
	ft/in	10'2"	9'7"	9'7"
17† Reach at Maximum Lift and 45° Discharge	mm	1444	1566	1628
	ft/in	4'8"	5'1"	5'4"
Reach at Level Lift Arm and Bucket Level	mm	3075	3286	3335
	ft/in	10'1"	10'9"	10'11"
A† Digging Depth	mm	88	88	88
	in	3.4"	3.4"	3.4"
12† Overall Length	mm	9786	10 028	10 046
	ft/in	32'2"	32'11"	33'0"
B† Overall Height with Bucket at Maximum Lift	mm	6257	6257	6781
	ft/in	20'7"	20'7"	22'3"
Loader Clearance Circle Radius with Bucket at Carry Position	mm	7642	7756	7802
	ft/in	25'1"	25'6"	25'8"
Static Tipping Load, Straight (ISO)*	kg	23 621	23 437	23 486
	lb	52,061	51,655	51 778
Static Tipping Load, Straight (Rigid Tire)*	kg	25 111	24 925	25 090
	lb	55,346	54,936	55,314
Static Tipping Load, Articulated (ISO)*	kg	20 307	20 122	20 127
	lb	44,757	44,350	44,373
Static Tipping Load, Articulated (Rigid Tire)*	kg	21 661	21 475	21 590
	lb	47,741	47,330	47,599
Breakout Force (§)	kN	210	208	178
	lbf	47,288	46,772	40 069
Operating Weight*	kg	31 193	31 331	31 492
	lb	68,749	69,054	69,427

* Static tipping loads and operating weights shown are based on a machine configuration with Bridgestone 29.5R25 VSNT L4 radial tires, full fluids, operator, counterweight, ride control, cold start, roading fenders, power train guard, secondary steering and sound suppression.

** Aggregate Handler configuration is not compatible with rock buckets, and high lift.

† Illustration shown with Dimension charts.

(§)Measured 102 mm (4") behind tip of cutting edge with bucket hinge pin as pivot point in accordance with SAE J732C.

(§)Specifications and ratings conform to all applicable standards recommended by the Society of Automotive Engineers, including SAE Standard J732C governing loader ratings.

(ISO) Full compliance to ISO 14397-1:2007 Sections 1 thru 6, which requires 2% verification between calculations and testing.

(Rigid Tire) Compliance to ISO 14397-1:2007 Sections 1 thru 5.

Other buckets are available and offerings vary by region. Consult your local Cat dealer for further details.

980 XE Wheel Loader Specifications

Operating Specifications – Buckets *(continued)*

Linkage			Aggregate Handler Linkage			
Bucket Type			General Purpose – Hook On – Fusion			
	Edge Type		Bolt-On Cutting Edges	Teeth and Segments	Bolt-On Cutting Edges	Teeth and Segments
	Capacity – Rated	m^3	5.40	5.40	5.70	5.70
		yd^3	7.00	7.00	7.50	7.50
	Capacity – Rated at 110% Fill Factor	m^3	5.90	5.90	6.30	6.30
		yd^3	7.75	7.75	8.25	8.25
	Width	mm	3447	3535	3447	3535
		ft/in	11'3"	11'7"	11'3"	11'7"
16†	Dump Clearance at Maximum Lift and 45° Discharge	mm	3183	3017	3117	2950
		ft/in	10'5"	9'10"	10'2"	9'8"
17†	Reach at Maximum Lift and 45° Discharge	mm	1588	1724	1640	1775
		ft/in	5'2"	5'7"	5'4"	5'9"
	Reach at Level Lift Arm and Bucket Level	mm	3116	3327	3200	3411
		ft/in	10'2"	10'11"	10'6"	11'2"
A†	Digging Depth	mm	93	93	93	93
		in	3.6"	3.6"	3.6"	3.6"
12†	Overall Length	mm	9831	10 072	9915	10 156
		ft/in	32'4"	33'1"	32'7"	33'4"
B†	Overall Height with Bucket at Maximum Lift	mm	6532	6532	6599	6599
		ft/in	21'6"	21'6"	21'8"	21'8"
	Loader Clearance Circle Radius with Bucket at Carry Position	mm	7694	7817	7721	7845
		ft/in	25'3"	25'8"	25'4"	25'9"
	Static Tipping Load, Straight (ISO)*	kg	22 905	22 721	22 672	22 487
		lb	50,483	50,078	49,970	49,561
	Static Tipping Load, Straight (Rigid Tire)*	kg	24 393	24 207	24 170	23 983
		lb	53,763	53,353	53,271	52,858
	Static Tipping Load, Articulated (ISO)*	kg	19 618	19 434	19 398	19 212
		lb	43,239	42,833	42,753	42,344
	Static Tipping Load, Articulated (Rigid Tire)*	kg	20 971	20 785	20 762	20 574
		lb	46,221	45,812	45,759	45,346
	Breakout Force (§)	kN	203	201	193	190
		lbf	45,829	45,315	43,399	42,894
	Operating Weight*	kg	31 727	31 865	31 837	31 975
		lb	69,926	70,231	70,168	70,473

* Static tipping loads and operating weights shown are based on a machine configuration with Bridgestone 29.5R25 VSNT L4 radial tires, full fluids, operator, counterweight, ride control, cold start, roading fenders, power train guard, secondary steering and sound suppression.

** Aggregate Handler configuration is not compatible with rock buckets, and high lift.

† Illustration shown with Dimension charts.

(§)Measured 102 mm (4") behind tip of cutting edge with bucket hinge pin as pivot point in accordance with SAE J732C.

(§)Specifications and ratings conform to all applicable standards recommended by the Society of Automotive Engineers, including SAE Standard J732C governing loader ratings.

(ISO) Full compliance to ISO 14397-1:2007 Sections 1 thru 6, which requires 2% verification between calculations and testing.

(Rigid Tire) Compliance to ISO 14397-1:2007 Sections 1 thru 5.

Other buckets are available and offerings vary by region. Consult your local Cat dealer for further details.

Fork Specifications

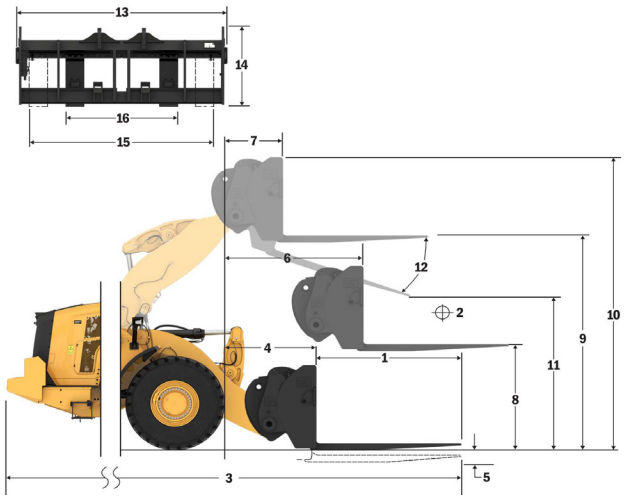
Fork Specifications

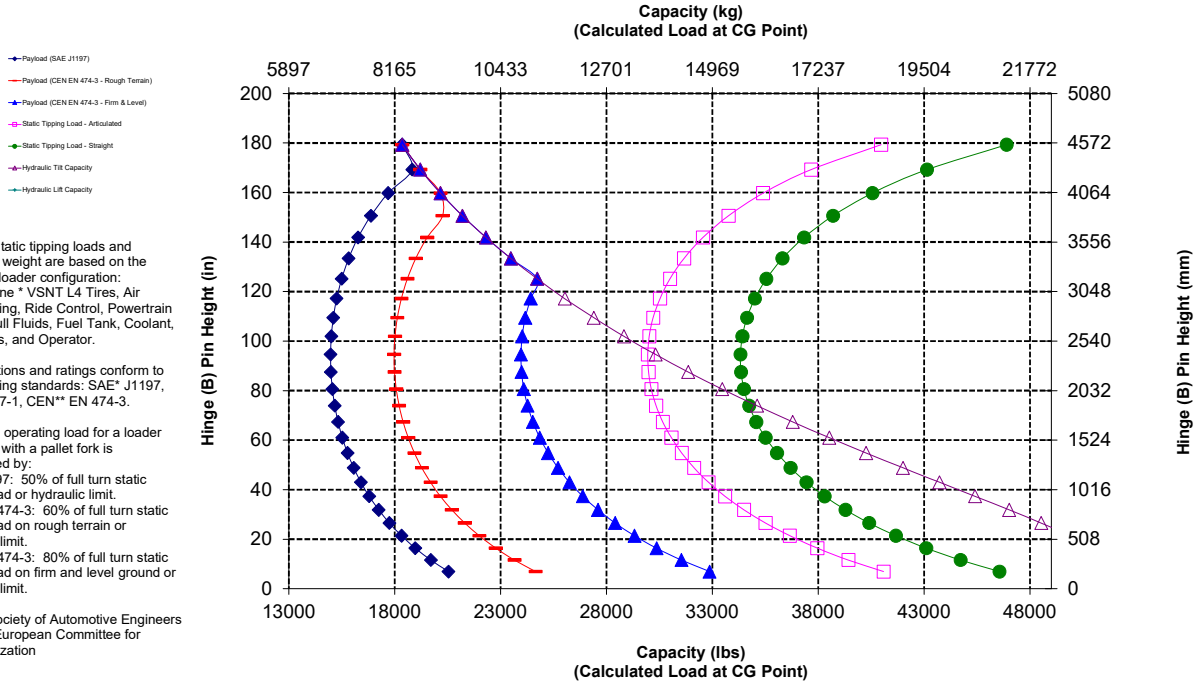
1	Tine Length	mm in	1830 72.0
2	Load Center	mm in	915 36.0
	Static Tipping Load - Straight (Forks Level)	kg lbs	15570 34316
	Static Tipping Load - Articulated (Forks Level)	kg lbs	13586 29943
	Rated Load (SAE J1197 - 50% FTSTL)	kg lbs	6793 14971
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	kg lbs	8151 17966
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	kg lbs	8327 18352
3	Maximum Overall Length	mm in	10442 411.1
4	Reach with Forks at Ground Level	mm in	1199 47.2
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	mm in	-151 -5.9
6	Reach with Arms Horizontal and Forks Level	mm in	1809 71.2
7	Reach with Fork at Maximum Height	mm in	883 34.7
8	Ground to Top of Tine with Arms Horizontal and Fork Level	mm in	2024 79.7
9	Ground to Top of Tine at Maximum Height and Fork Level	mm in	4292 169.0
10	Overall Height of Fork at Full Lift (top of carriage to ground)	mm in	5067 199.5
11	Clearance at Full Lift and Max Dump	mm in	2676 105.4
12	Max Discharge Angle from Horizontal	deg	45
13	Overall Carriage Width	mm in	2217 87.3
14	Overall Carriage Height	mm in	840 33.1
15	Outside Tine Width (max spread)	mm in	2070 81.5
16	Outside Tine Width (min spread)	mm in	470 18.5
	Tine Width (single tine)	mm in	150.0 5.9
	Tine Thickness	mm in	65.0 2.6
	Tine Capacity	kg lbs	5246 11562
	Operating Weight	kg lbs	29081 64093

*Negative values indicate below grade

980 STD

Pallet Fork, FUSION	87" Carriage	72" Tine
	530-1861	530-1869





NOTE: Static tipping loads and operating weight are based on the following loader configuration: Bridgestone * VSNT L4 Tires, Air Conditioning, Ride Control, Powertrain Guard, Full Fluids, Fuel Tank, Coolant, Lubricants, and Operator.

Specifications and ratings conform to the following standards: SAE* J1197, ISO 14397-1, CEN** EN 474-3.

The rated operating load for a loader equipped with a pallet fork is determined by:
SAE J1197: 50% of full turn static tipping load or hydraulic limit.
CEN EN 474-3: 60% of full turn static tipping load on rough terrain or hydraulic limit.
CEN EN 474-3: 80% of full turn static tipping load on firm and level ground or hydraulic limit.

*SAE - Society of Automotive Engineers
**CEN - European Committee for Standardization

WARNING: Do not exceed tine load capacity. Individual tine capacity is stamped on the side of each tine.

980 XE Wheel Loader Specifications

Fork Specifications

Fork Specifications

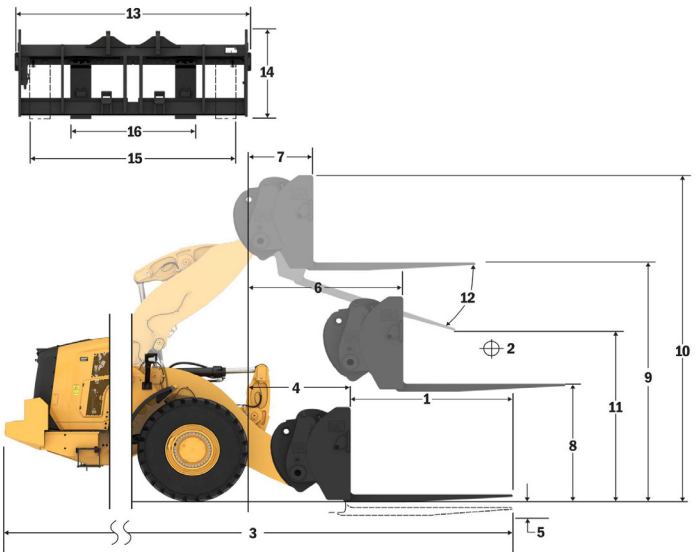
1	Tine Length	mm in	1829 72.0
2	Load Center	mm in	915 36.0
	Static Tipping Load - Straight (Forks Level)	kg lbs	15292 33703
	Static Tipping Load - Articulated (Forks Level)	kg lbs	13299 29312
	Rated Load (SAE J1197 - 50% FTSTL)	kg lbs	6650 14656
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	kg lbs	7980 17587
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	kg lbs	8691 19155
3	Maximum Overall Length	mm in	10383 408.8
4	Reach with Forks at Ground Level	mm in	1141 44.9
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	mm in	-65 -2.5
6	Reach with Arms Horizontal and Forks Level	mm in	1797 70.7
7	Reach with Fork at Maximum Height	mm in	870 34.2
8	Ground to Top of Tine with Arms Horizontal and Fork Level	mm in	2135 84.0
9	Ground to Top of Tine at Maximum Height and Fork Level	mm in	4403 173.4
10	Overall Height of Fork at Full Lift (top of carriage to ground)	mm in	5443 214.3
11	Clearance at Full Lift and Max Dump	mm in	2597 102.3
12	Max Discharge Angle from Horizontal	deg	51
13	Overall Carriage Width	mm in	2833 111.5
14	Overall Carriage Height	mm in	1130 44.5
15	Outside Tine Width (max spread)	mm in	2483 97.8
16	Outside Tine Width (min spread)	mm in	590 23.2
	Tine Width (single tine)	mm in	180.0 7.1
	Tine Thickness	mm in	90.0 3.5
	Tine Capacity	kg lbs	14800 32619
	Operating Weight	kg lbs	29520 65061

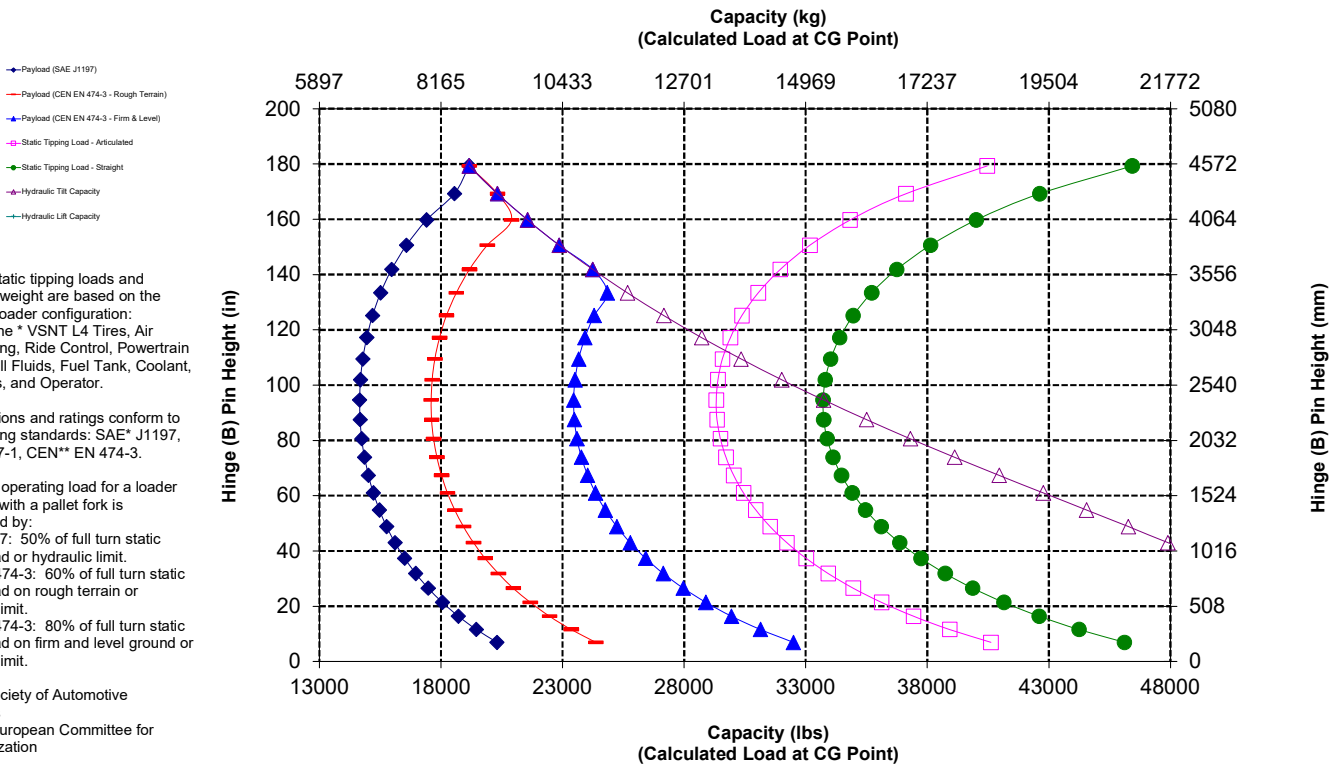
*Negative values indicate below grade

980 STD

Construction Fork, FUSION	108" Carriage	72" Tine
	520-7968	520-7979

*Build 14A
*Parallel Z-Bar Linkage
*Standard Lift Configuration





NOTE: Static tipping loads and operating weight are based on the following loader configuration: Bridgestone * VSNT L4 Tires, Air Conditioning, Ride Control, Powertrain Guard, Full Fluids, Fuel Tank, Coolant, Lubricants, and Operator.

Specifications and ratings conform to the following standards: SAE* J1197, ISO 14397-1, CEN** EN 474-3.

The rated operating load for a loader equipped with a pallet fork is determined by:
SAE J1197: 50% of full turn static tipping load or hydraulic limit.
CEN EN 474-3: 60% of full turn static tipping load on rough terrain or hydraulic limit.
CEN EN 474-3: 80% of full turn static tipping load on firm and level ground or hydraulic limit.

*SAE - Society of Automotive Engineers
**CEN - European Committee for Standardization

Fork Specifications

Fork Specifications

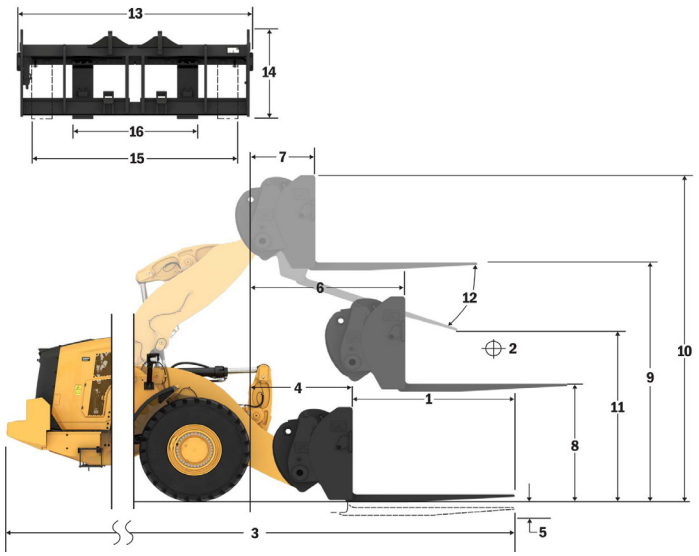
1	Tine Length	mm in	2134 84.0
2	Load Center	mm in	1067 42.0
	Static Tipping Load - Straight (Forks Level)	kg lbs	14622 32227
	Static Tipping Load - Articulated (Forks Level)	kg lbs	12709 28010
	Rated Load (SAE J1197 - 50% FTSTL)	kg lbs	6354 14005
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	kg lbs	7625 16806
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	kg lbs	7759 17102
3	Maximum Overall Length	mm in	10688 420.8
4	Reach with Forks at Ground Level	mm in	1141 44.9
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	mm in	-65 -2.5
6	Reach with Arms Horizontal and Forks Level	mm in	1797 70.7
7	Reach with Fork at Maximum Height	mm in	870 34.2
8	Ground to Top of Tine with Arms Horizontal and Fork Level	mm in	2135 84.0
9	Ground to Top of Tine at Maximum Height and Fork Level	mm in	4403 173.4
10	Overall Height of Fork at Full Lift (top of carriage to ground)	mm in	5443 214.3
11	Clearance at Full Lift and Max Dump	mm in	2359 92.9
12	Max Discharge Angle from Horizontal	deg	51
13	Overall Carriage Width	mm in	2833 111.5
14	Overall Carriage Height	mm in	1130 44.5
15	Outside Tine Width (max spread)	mm in	2483 97.8
16	Outside Tine Width (min spread)	mm in	590 23.2
	Tine Width (single tine)	mm in	180.0 7.1
	Tine Thickness	mm in	90.0 3.5
	Tine Capacity	kg lbs	12700 27991
	Operating Weight	kg lbs	29582 65198

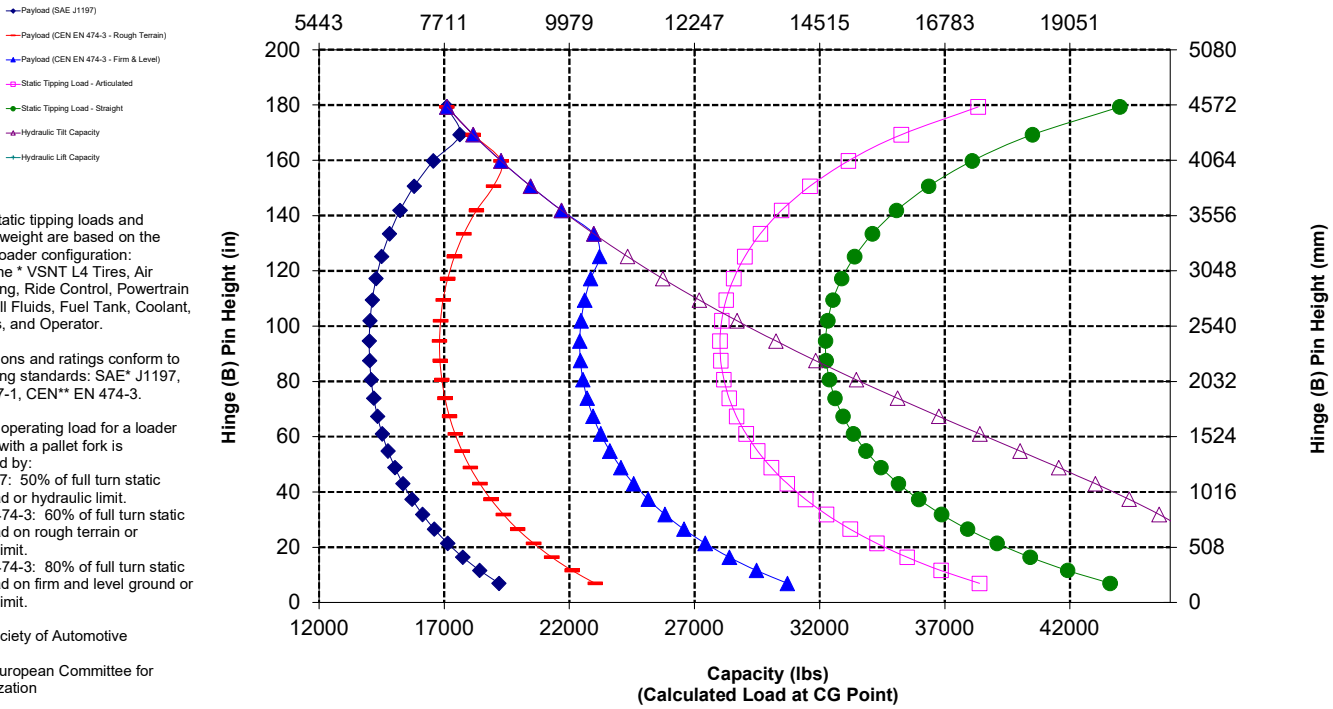
*Negative values indicate below grade

980 STD

Construction Fork, FUSION	108" Carriage	84" Tine
	520-7968	520-7986

*Build 14A
*Parallel Z-Bar Linkage
*Standard Lift Configuration





NOTE: Static tipping loads and operating weight are based on the following loader configuration: Bridgestone * VSNT L4 Tires, Air Conditioning, Ride Control, Powertrain Guard, Full Fluids, Fuel Tank, Coolant, Lubricants, and Operator.

Specifications and ratings conform to the following standards: SAE* J1197, ISO 14397-1, CEN** EN 474-3.

The rated operating load for a loader equipped with a pallet fork is determined by:
SAE J1197: 50% of full turn static tipping load or hydraulic limit.
CEN EN 474-3: 60% of full turn static tipping load on rough terrain or hydraulic limit.
CEN EN 474-3: 80% of full turn static tipping load on firm and level ground or hydraulic limit.

*SAE - Society of Automotive Engineers
**CEN - European Committee for Standardization

980 XE Wheel Loader Specifications

Fork Specifications

Fork Specifications

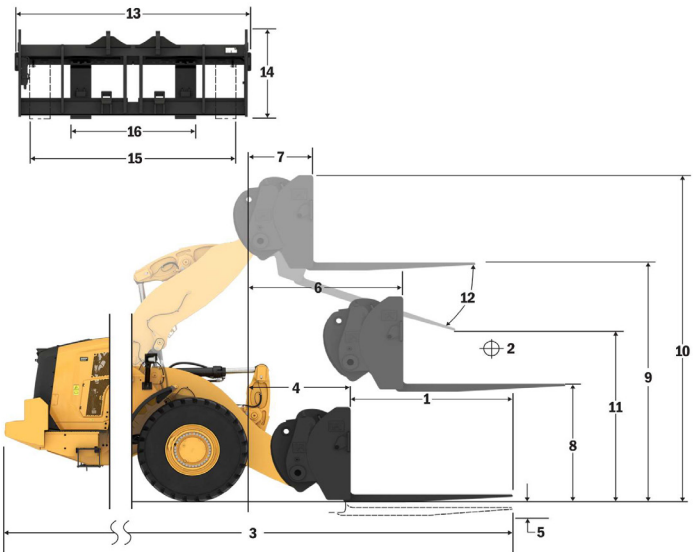
1	Tine Length	mm in	2438 96.0
2	Load Center	mm in	1219 48.0
	Static Tipping Load - Straight (Forks Level)	kg lbs	13999 30855
	Static Tipping Load - Articulated (Forks Level)	kg lbs	12159 26799
	Rated Load (SAE J1197 - 50% FTSTL)	kg lbs	6080 13399
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	kg lbs	6988 15401
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	kg lbs	6988 15401
3	Maximum Overall Length	mm in	10992 432.8
4	Reach with Forks at Ground Level	mm in	1141 44.9
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	mm in	-65 -2.5
6	Reach with Arms Horizontal and Forks Level	mm in	1797 70.7
7	Reach with Fork at Maximum Height	mm in	870 34.2
8	Ground to Top of Tine with Arms Horizontal and Fork Level	mm in	2135 84.0
9	Ground to Top of Tine at Maximum Height and Fork Level	mm in	4403 173.4
10	Overall Height of Fork at Full Lift (top of carriage to ground)	mm in	5443 214.3
11	Clearance at Full Lift and Max Dump	mm in	2122 83.5
12	Max Discharge Angle from Horizontal	deg	51
13	Overall Carriage Width	mm in	2833 111.5
14	Overall Carriage Height	mm in	1130 44.5
15	Outside Tine Width (max spread)	mm in	2483 97.8
16	Outside Tine Width (min spread)	mm in	590 23.2
	Tine Width (single tine)	mm in	180.0 7.1
	Tine Thickness	mm in	90.0 3.5
	Tine Capacity	kg lbs	11300 24905
	Operating Weight	kg lbs	29645 65336

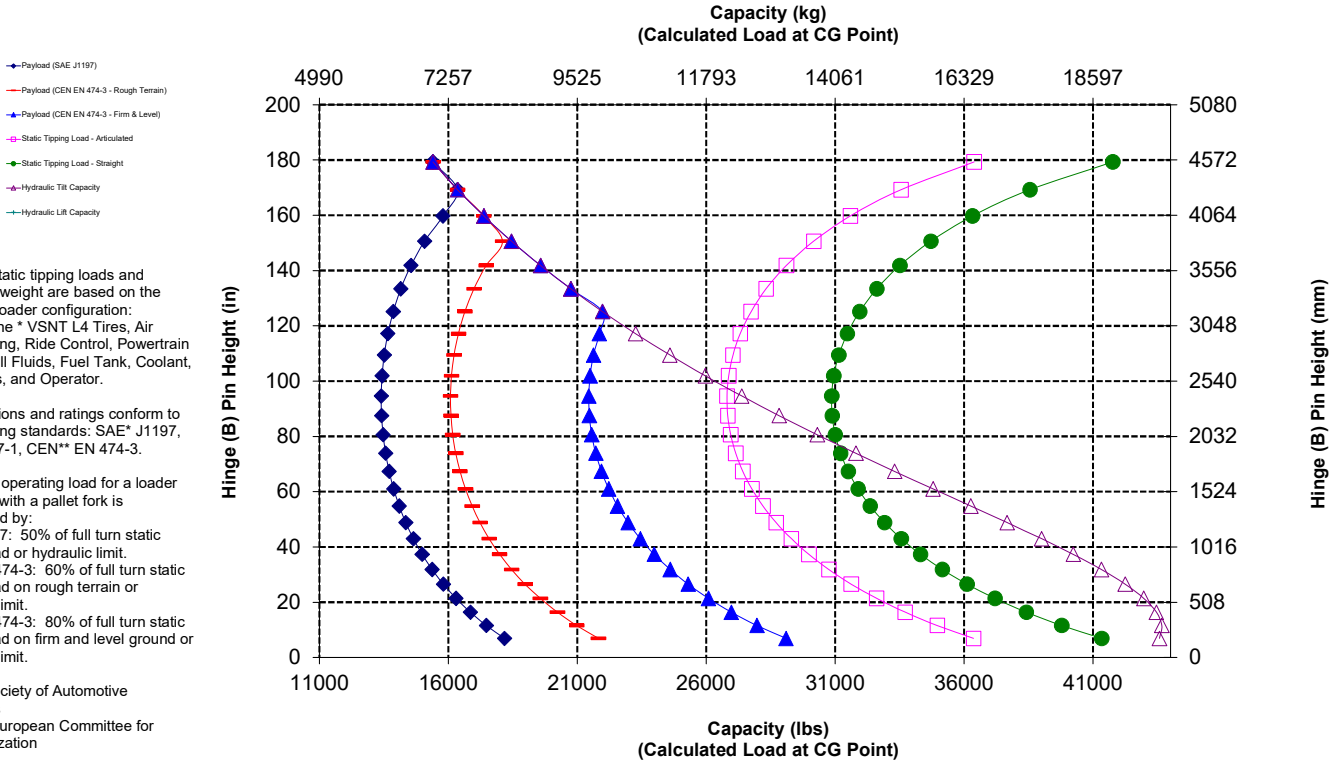
*Negative values indicate below grade

980 STD

Construction Fork, FUSION	108" Carriage	96" Tine
	520-7968	520-7981

*Build 14A
*Parallel Z-Bar Linkage
*Standard Lift Configuration





NOTE: Static tipping loads and operating weight are based on the following loader configuration: Bridgestone * VSNT L4 Tires, Air Conditioning, Ride Control, Powertrain Guard, Full Fluids, Fuel Tank, Coolant, Lubricants, and Operator.

Specifications and ratings conform to the following standards: SAE* J1197, ISO 14397-1, CEN** EN 474-3.

The rated operating load for a loader equipped with a pallet fork is determined by:
SAE J1197: 50% of full turn static tipping load or hydraulic limit.
CEN EN 474-3: 60% of full turn static tipping load on rough terrain or hydraulic limit.
CEN EN 474-3: 80% of full turn static tipping load on firm and level ground or hydraulic limit.

*SAE - Society of Automotive Engineers
**CEN - European Committee for Standardization

Fork Specifications

Fork Specifications

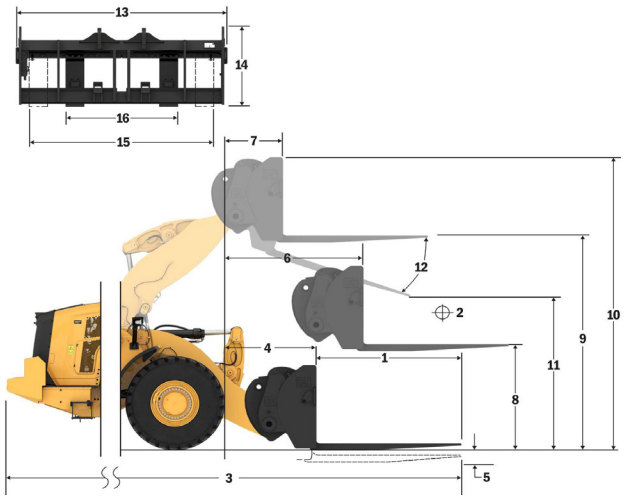
1	Tine Length	mm in	1829 72.0
2	Load Center	mm in	914 36.0
	Static Tipping Load - Straight (Forks Level)	kg lbs	14965 32984
	Static Tipping Load - Articulated (Forks Level)	kg lbs	12974 28595
	Rated Load (SAE J1197 - 50% FTSTL)	kg lbs	6487 14298
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	kg lbs	7785 17157
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	kg lbs	8905 19627
3	Maximum Overall Length	mm in	10404 409.6
4	Reach with Forks at Ground Level	mm in	1162 45.8
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	mm in	-99 -3.9
6	Reach with Arms Horizontal and Forks Level	mm in	1796 70.7
7	Reach with Fork at Maximum Height	mm in	869 34.2
8	Ground to Top of Tine with Arms Horizontal and Fork Level	mm in	2095 82.5
9	Ground to Top of Tine at Maximum Height and Fork Level	mm in	4364 171.8
10	Overall Height of Fork at Full Lift (top of carriage to ground)	mm in	5407 212.9
11	Clearance at Full Lift and Max Dump	mm in	2498 98.3
12	Max Discharge Angle from Horizontal	deg	55
13	Overall Carriage Width	mm in	2821 111.1
14	Overall Carriage Height	mm in	1129 44.4
15	Outside Tine Width (max spread)	mm in	2627 103.4
16	Outside Tine Width (min spread)	mm in	747 29.4
	Tine Width (single tine)	mm in	250.0 9.8
	Tine Thickness	mm in	85.0 3.3
	Tine Capacity	kg lbs	18700 41215
	Operating Weight	kg lbs	29958 66026

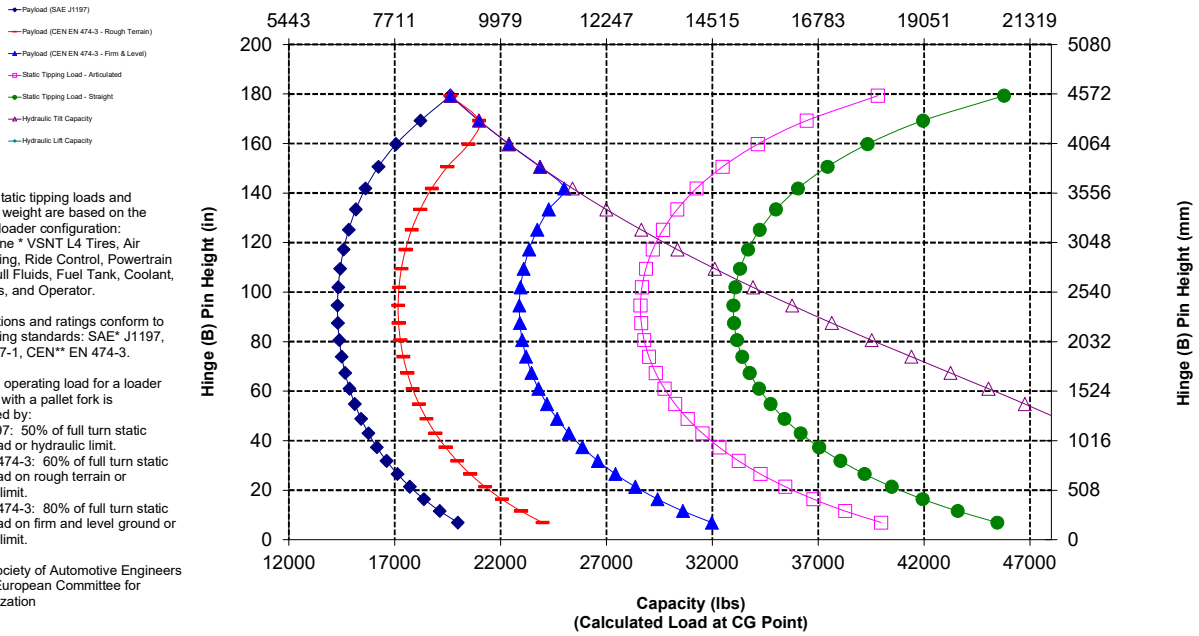
*Negative values indicate below grade

980 STD

Construction Fork, HD, FUSION

108" Carriage	72" Tine
523-4199	523-4200





NOTE: Static tipping loads and operating weight are based on the following loader configuration: Bridgestone * VSNT L4 Tires, Air Conditioning, Ride Control, Powertrain Guard, Full Fluids, Fuel Tank, Coolant, Lubricants, and Operator.

Specifications and ratings conform to the following standards: SAE* J1197, ISO 14397-1, CEN** EN 474-3.

The rated operating load for a loader equipped with a pallet fork is determined by:
SAE J1197: 50% of full turn static tipping load or hydraulic limit.
CEN EN 474-3: 60% of full turn static tipping load on rough terrain or hydraulic limit.
CEN EN 474-3: 80% of full turn static tipping load on firm and level ground or hydraulic limit.

*SAE - Society of Automotive Engineers
**CEN - European Committee for Standardization

WARNING: Do not exceed tine load capacity. Individual tine capacity is stamped on the side of each tine.

980 XE Wheel Loader Specifications

Fork Specifications

Fork Specifications

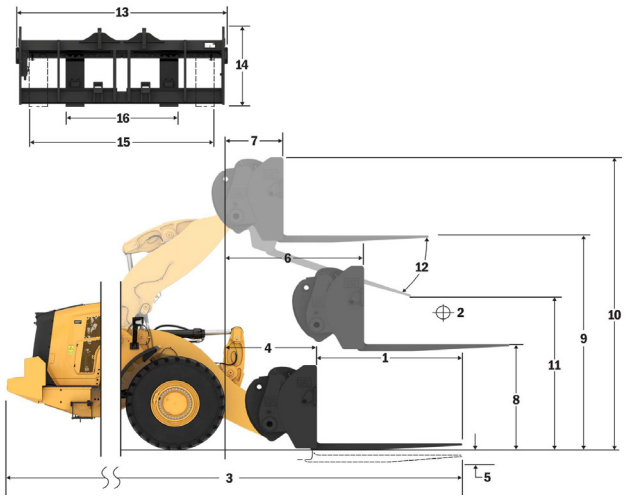
1	Tine Length	mm in	2134 84.0
2	Load Center	mm in	1067 42.0
	Static Tipping Load - Straight (Forks Level)	kg lbs	14267 31445
	Static Tipping Load - Articulated (Forks Level)	kg lbs	12355 27231
	Rated Load (SAE J1197 - 50% FTSTL)	kg lbs	6178 13615
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	kg lbs	7413 16338
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	kg lbs	7914 17442
3	Maximum Overall Length	mm in	10713 421.8
4	Reach with Forks at Ground Level	mm in	1166 45.9
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	mm in	-99 -3.9
6	Reach with Arms Horizontal and Forks Level	mm in	1796 70.7
7	Reach with Fork at Maximum Height	mm in	869 34.2
8	Ground to Top of Tine with Arms Horizontal and Fork Level	mm in	2100 82.7
9	Ground to Top of Tine at Maximum Height and Fork Level	mm in	4369 172.0
10	Overall Height of Fork at Full Lift (top of carriage to ground)	mm in	5407 212.9
11	Clearance at Full Lift and Max Dump	mm in	2247 88.5
12	Max Discharge Angle from Horizontal	deg	55
13	Overall Carriage Width	mm in	2821 111.1
14	Overall Carriage Height	mm in	1129 44.4
15	Outside Tine Width (max spread)	mm in	2627 103.4
16	Outside Tine Width (min spread)	mm in	747 29.4
	Tine Width (single tine)	mm in	250.0 9.8
	Tine Thickness	mm in	90.0 3.5
	Tine Capacity	kg lbs	17729 39075
	Operating Weight	kg lbs	30060 66251

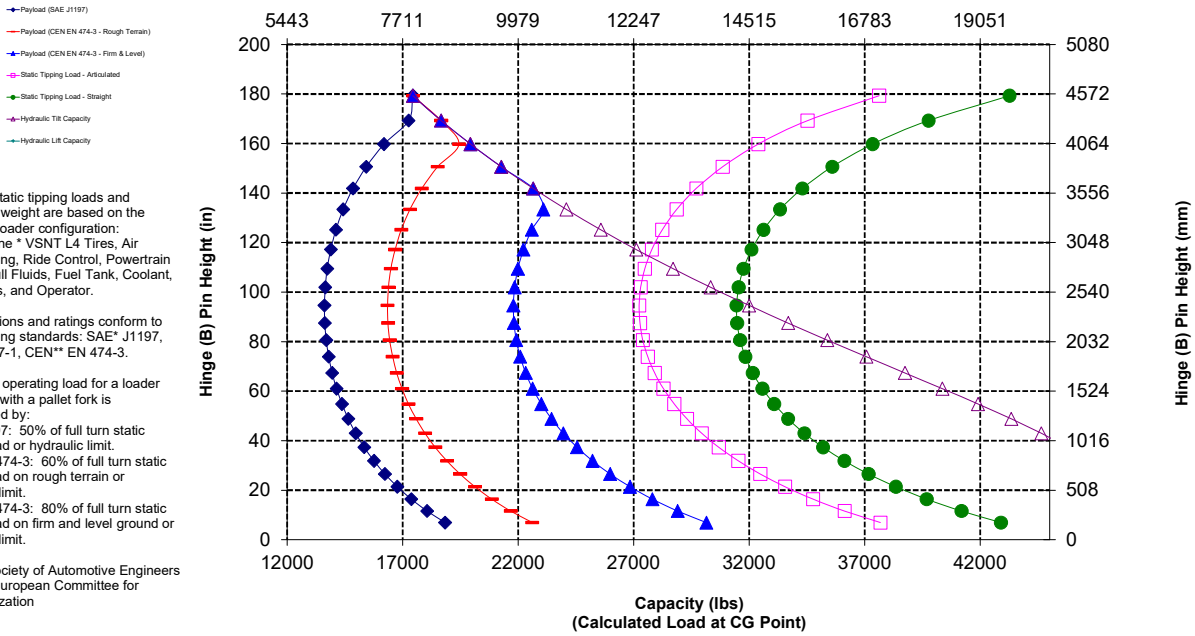
*Negative values indicate below grade

980 STD

Construction Fork, HD, FUSION

108" Carriage	84" Tine
523-4199	523-4201





NOTE: Static tipping loads and operating weight are based on the following loader configuration: Bridgestone * VSNT L4 Tires, Air Conditioning, Ride Control, Powertrain Guard, Full Fluids, Fuel Tank, Coolant, Lubricants, and Operator.

Specifications and ratings conform to the following standards: SAE* J1197, ISO 14397-1, CEN** EN 474-3.

The rated operating load for a loader equipped with a pallet fork is determined by:
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CEN EN 474-3: 80% of full turn static tipping load on firm and level ground or hydraulic limit.

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**CEN - European Committee for Standardization

WARNING: Do not exceed tine load capacity. Individual tine capacity is stamped on the side of each tine.

Fork Specifications

Fork Specifications

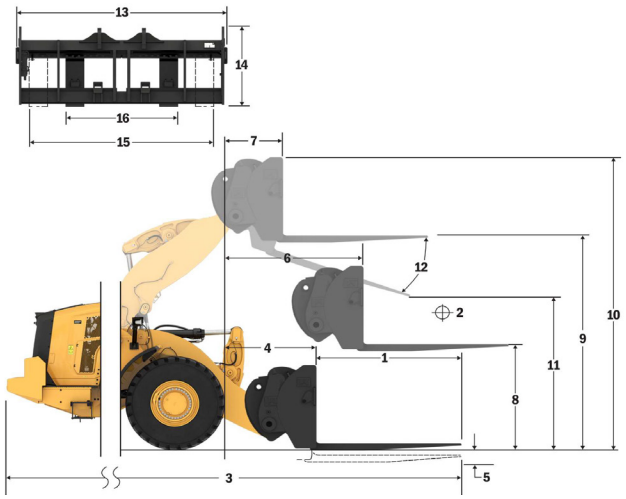
1	Tine Length	mm in	2438 96.0
2	Load Center	mm in	1219 48.0
	Static Tipping Load - Straight (Forks Level)	kg lbs	13562 29890
	Static Tipping Load - Articulated (Forks Level)	kg lbs	11724 25839
	Rated Load (SAE J1197 - 50% FTSTL)	kg lbs	5862 12920
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	kg lbs	7034 15504
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	kg lbs	7041 15518
3	Maximum Overall Length	mm in	11021 433.9
4	Reach with Forks at Ground Level	mm in	1170 46.1
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	mm in	-98 -3.8
6	Reach with Arms Horizontal and Forks Level	mm in	1801 70.9
7	Reach with Fork at Maximum Height	mm in	874 34.4
8	Ground to Top of Tine with Arms Horizontal and Fork Level	mm in	2102 82.7
9	Ground to Top of Tine at Maximum Height and Fork Level	mm in	4370 172.1
10	Overall Height of Fork at Full Lift (top of carriage to ground)	mm in	5407 212.9
11	Clearance at Full Lift and Max Dump	mm in	1994 78.5
12	Max Discharge Angle from Horizontal	deg	55
13	Overall Carriage Width	mm in	2821 111.1
14	Overall Carriage Height	mm in	1127 44.4
15	Outside Tine Width (max spread)	mm in	2629 103.5
16	Outside Tine Width (min spread)	mm in	747 29.4
	Tine Width (single tine)	mm in	250.0 9.8
	Tine Thickness	mm in	90.0 3.5
	Tine Capacity	kg lbs	15750 34713
	Operating Weight	kg lbs	30211 66584

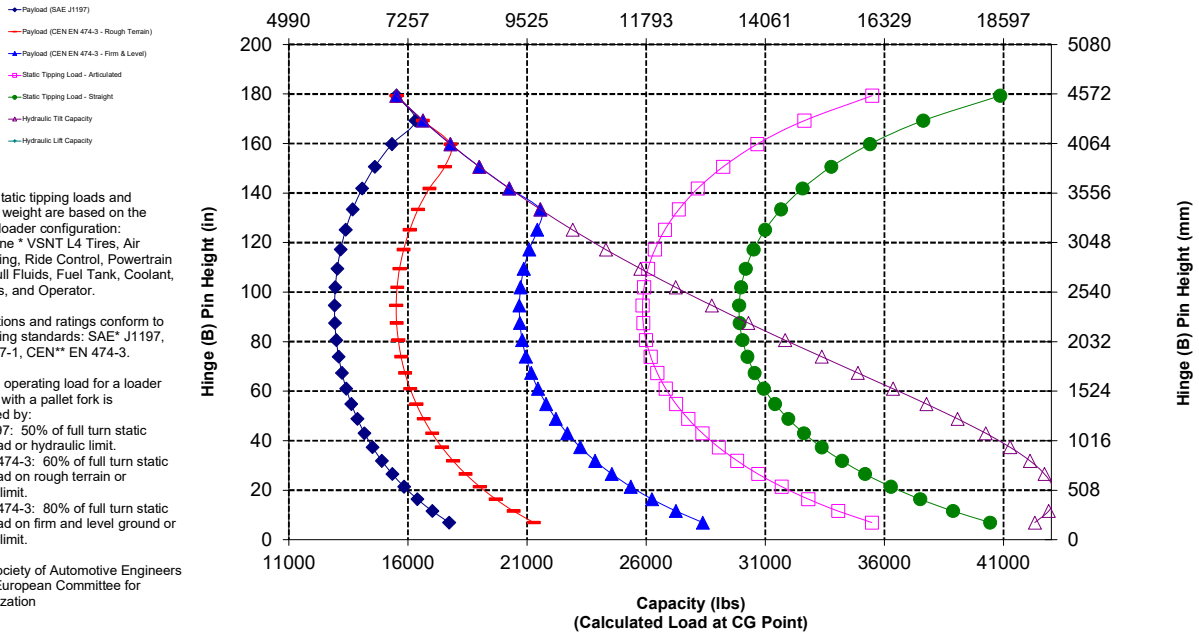
*Negative values indicate below grade

980 STD

Construction Fork, HD, FUSION

108" Carriage	96" Tine
523-4199	523-4202





NOTE: Static tipping loads and operating weight are based on the following loader configuration: Bridgestone * VSNT L4 Tires, Air Conditioning, Ride Control, Powertrain Guard, Full Fluids, Fuel Tank, Coolant, Lubricants, and Operator.

Specifications and ratings conform to the following standards: SAE* J1197, ISO 14397-1, CEN** EN 474-3.

The rated operating load for a loader equipped with a pallet fork is determined by:
SAE J1197: 50% of full turn static tipping load or hydraulic limit.
CEN EN 474-3: 60% of full turn static tipping load on rough terrain or hydraulic limit.
CEN EN 474-3: 80% of full turn static tipping load on firm and level ground or hydraulic limit.

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**CEN - European Committee for Standardization

WARNING: Do not exceed tine load capacity. Individual tine capacity is stamped on the side of each tine.

980 XE Wheel Loader Specifications

Fork Specifications

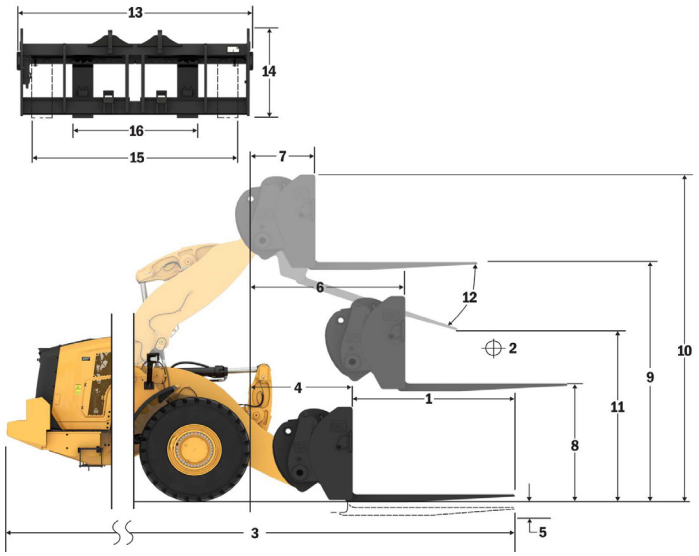
Fork Specifications

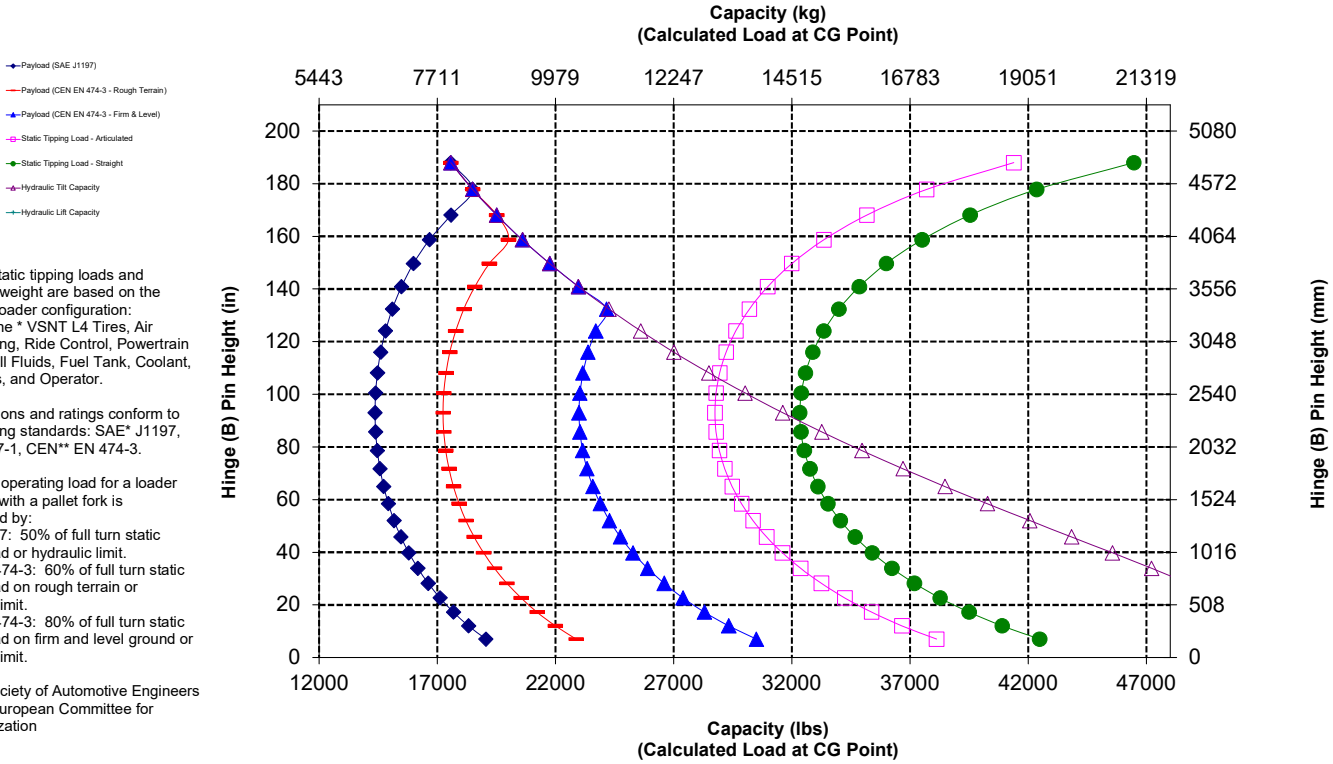
1	Tine Length	mm in	1830 72.0
2	Load Center	mm in	915 36.0
	Static Tipping Load - Straight (Forks Level)	kg lbs	14666 32325
	Static Tipping Load - Articulated (Forks Level)	kg lbs	13039 28737
	Rated Load (SAE J1197 - 50% FTSTL)	kg lbs	6519 14369
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	kg lbs	7823 17242
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	kg lbs	7970 17566
3	Maximum Overall Length	mm in	10650 419.3
4	Reach with Forks at Ground Level	mm in	1407 55.4
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	mm in	-149 -5.9
6	Reach with Arms Horizontal and Forks Level	mm in	1982 78.0
7	Reach with Fork at Maximum Height	mm in	898 35.4
8	Ground to Top of Tine with Arms Horizontal and Fork Level	mm in	2023 79.6
9	Ground to Top of Tine at Maximum Height and Fork Level	mm in	4512 177.7
10	Overall Height of Fork at Full Lift (top of carriage to ground)	mm in	5287 208.2
11	Clearance at Full Lift and Max Dump	mm in	2842 111.9
12	Max Discharge Angle from Horizontal	deg	47
13	Overall Carriage Width	mm in	2217 87.3
14	Overall Carriage Height	mm in	840 33.1
15	Outside Tine Width (max spread)	mm in	2070 81.5
16	Outside Tine Width (min spread)	mm in	470 18.5
	Tine Width (single tine)	mm in	150.0 5.9
	Tine Thickness	mm in	65.0 2.6
	Tine Capacity	kg lbs	5246 11562
	Operating Weight	kg lbs	29218 64396

*Negative values indicate below grade

980 HL

Pallet Fork, FUSION	87" Carriage	72" Tine
	530-1861	530-1869





NOTE: Static tipping loads and operating weight are based on the following loader configuration: Bridgestone * VSNT L4 Tires, Air Conditioning, Ride Control, Powertrain Guard, Full Fluids, Fuel Tank, Coolant, Lubricants, and Operator.

Specifications and ratings conform to the following standards: SAE* J1197, ISO 14397-1, CEN** EN 474-3.

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CEN EN 474-3: 80% of full turn static tipping load on firm and level ground or hydraulic limit.

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**CEN - European Committee for Standardization

Fork Specifications

Fork Specifications

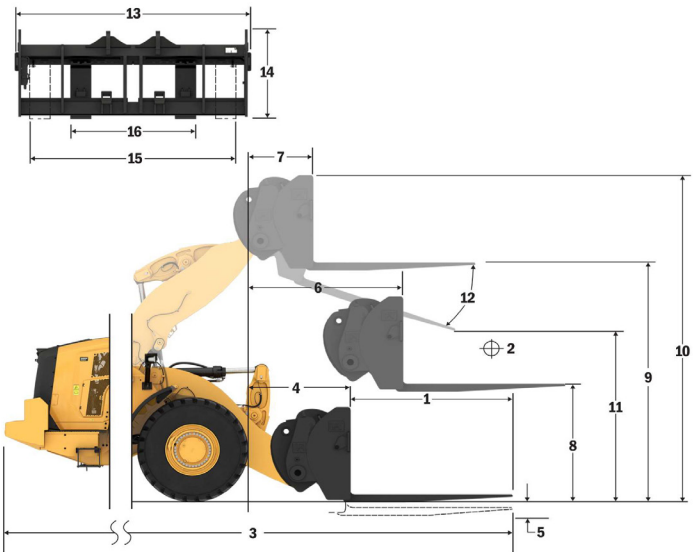
1	Tine Length	mm in	1829 72.0
2	Load Center	mm in	915 36.0
	Static Tipping Load - Straight (Forks Level)	kg lbs	14378 31689
	Static Tipping Load - Articulated (Forks Level)	kg lbs	12744 28088
	Rated Load (SAE J1197 - 50% FTSTL)	kg lbs	6372 14044
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	kg lbs	7646 16853
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	kg lbs	8359 18422
3	Maximum Overall Length	mm in	10593 417.1
4	Reach with Forks at Ground Level	mm in	1351 53.2
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	mm in	-62 -2.4
6	Reach with Arms Horizontal and Forks Level	mm in	1970 77.5
7	Reach with Fork at Maximum Height	mm in	886 34.9
8	Ground to Top of Tine with Arms Horizontal and Fork Level	mm in	2135 84.1
9	Ground to Top of Tine at Maximum Height and Fork Level	mm in	4625 182.1
10	Overall Height of Fork at Full Lift (top of carriage to ground)	mm in	5665 223.0
11	Clearance at Full Lift and Max Dump	mm in	2768 109.0
12	Max Discharge Angle from Horizontal	deg	53
13	Overall Carriage Width	mm in	2833 111.5
14	Overall Carriage Height	mm in	1130 44.5
15	Outside Tine Width (max spread)	mm in	2483 97.8
16	Outside Tine Width (min spread)	mm in	590 23.2
	Tine Width (single tine)	mm in	180.0 7.1
	Tine Thickness	mm in	90.0 3.5
	Tine Capacity	kg lbs	14800 32619
	Operating Weight	kg lbs	29657 65364

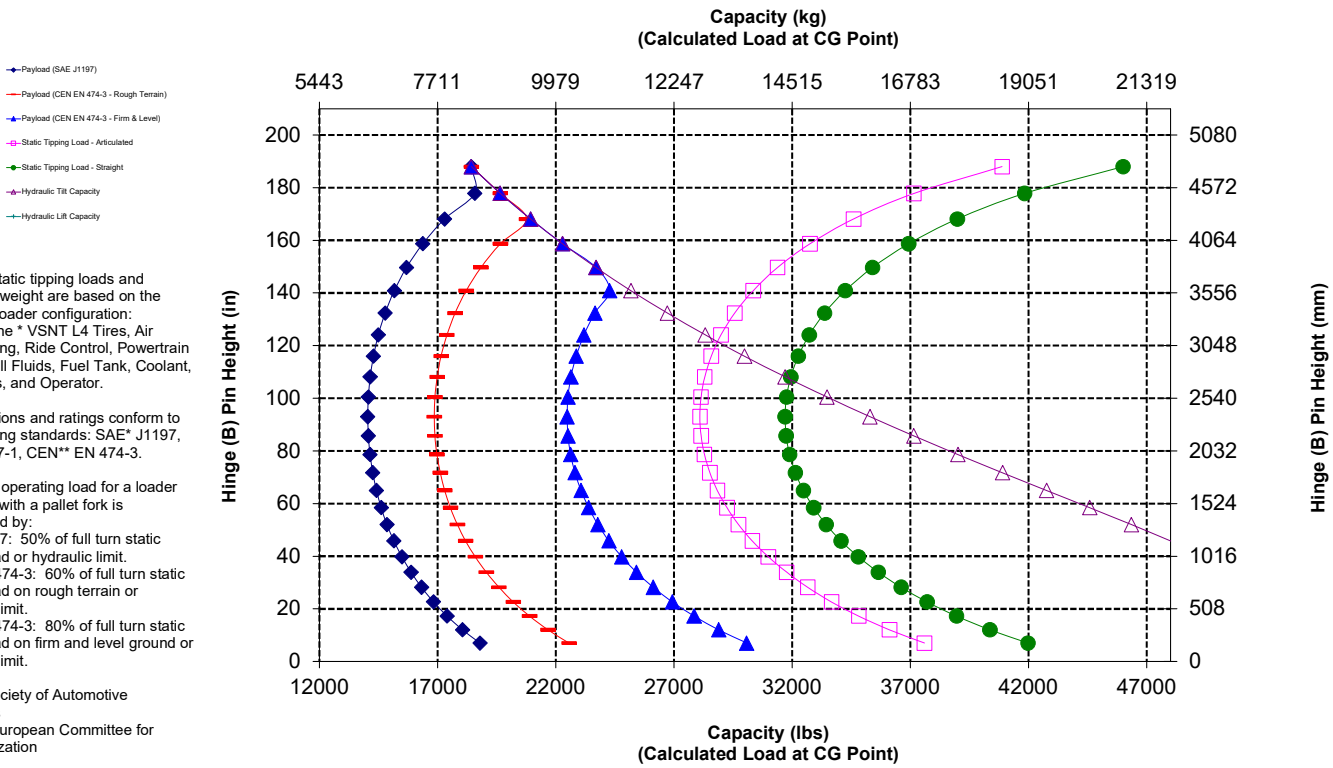
*Negative values indicate below grade

980 HL

Construction Fork, FUSION	108" Carriage	72" Tine
	520-7968	520-7979

*Build 14A
*Parallel Z-Bar Linkage
*High Lift Configuration





NOTE: Static tipping loads and operating weight are based on the following loader configuration: Bridgestone * VSNT L4 Tires, Air Conditioning, Ride Control, Powertrain Guard, Full Fluids, Fuel Tank, Coolant, Lubricants, and Operator.

Specifications and ratings conform to the following standards: SAE* J1197, ISO 14397-1, CEN** EN 474-3.

The rated operating load for a loader equipped with a pallet fork is determined by:
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CEN EN 474-3: 60% of full turn static tipping load on rough terrain or hydraulic limit.
CEN EN 474-3: 80% of full turn static tipping load on firm and level ground or hydraulic limit.

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**CEN - European Committee for Standardization

Fork Specifications

Fork Specifications

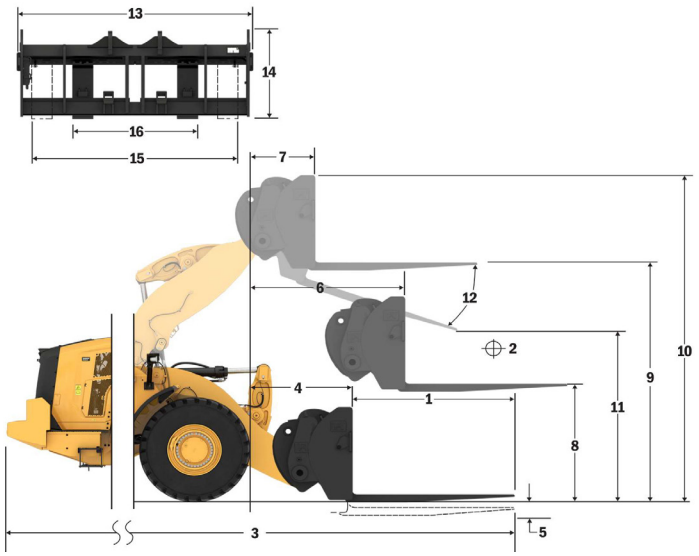
1	Tine Length	mm in	2134 84.0
2	Load Center	mm in	1067 42.0
	Static Tipping Load - Straight (Forks Level)	kg lbs	13768 30345
	Static Tipping Load - Articulated (Forks Level)	kg lbs	12196 26880
	Rated Load (SAE J1197 - 50% FTSTL)	kg lbs	6098 13440
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	kg lbs	7318 16128
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	kg lbs	7467 16457
3	Maximum Overall Length	mm in	10898 429.1
4	Reach with Forks at Ground Level	mm in	1351 53.2
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	mm in	-62 -2.4
6	Reach with Arms Horizontal and Forks Level	mm in	1970 77.5
7	Reach with Fork at Maximum Height	mm in	886 34.9
8	Ground to Top of Tine with Arms Horizontal and Fork Level	mm in	2135 84.1
9	Ground to Top of Tine at Maximum Height and Fork Level	mm in	4625 182.1
10	Overall Height of Fork at Full Lift (top of carriage to ground)	mm in	5665 223.0
11	Clearance at Full Lift and Max Dump	mm in	2524 99.4
12	Max Discharge Angle from Horizontal	deg	53
13	Overall Carriage Width	mm in	2833 111.5
14	Overall Carriage Height	mm in	1130 44.5
15	Outside Tine Width (max spread)	mm in	2483 97.8
16	Outside Tine Width (min spread)	mm in	590 23.2
	Tine Width (single tine)	mm in	180.0 7.1
	Tine Thickness	mm in	90.0 3.5
	Tine Capacity	kg lbs	12700 27991
	Operating Weight	kg lbs	29719 65501

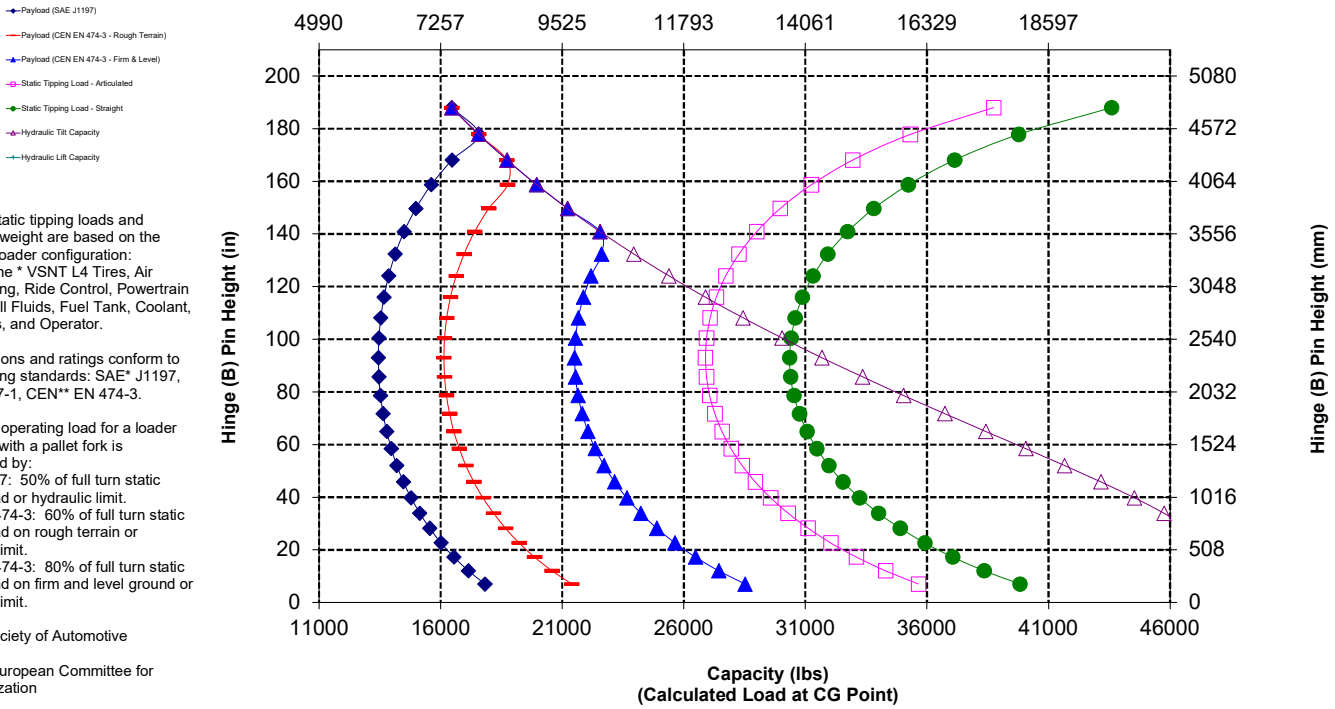
*Negative values indicate below grade

980 HL

Construction Fork, FUSION	108" Carriage	84" Tine
	520-7968	520-7986

*Build 14A
*Parallel Z-Bar Linkage
*High Lift Configuration





NOTE: Static tipping loads and operating weight are based on the following loader configuration: Bridgestone * VSNT L4 Tires, Air Conditioning, Ride Control, Powertrain Guard, Full Fluids, Fuel Tank, Coolant, Lubricants, and Operator.

Specifications and ratings conform to the following standards: SAE* J1197, ISO 14397-1, CEN** EN 474-3.

The rated operating load for a loader equipped with a pallet fork is determined by:
SAE J1197: 50% of full turn static tipping load or hydraulic limit.
CEN EN 474-3: 60% of full turn static tipping load on rough terrain or hydraulic limit.
CEN EN 474-3: 80% of full turn static tipping load on firm and level ground or hydraulic limit.

*SAE - Society of Automotive Engineers
**CEN - European Committee for Standardization

Fork Specifications

Fork Specifications

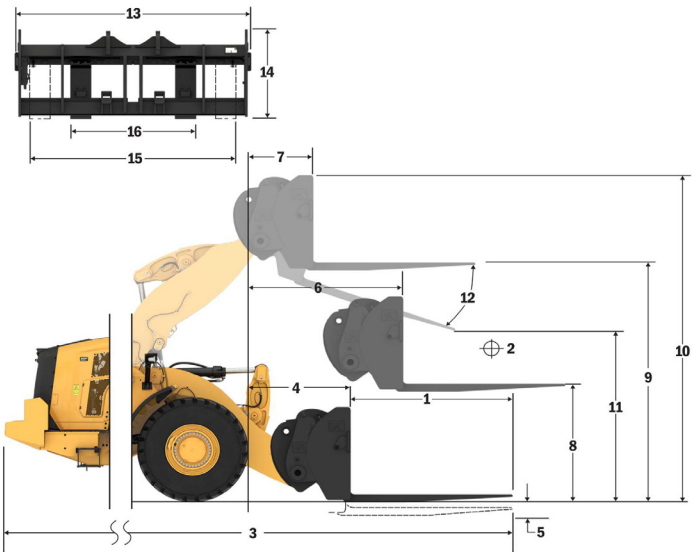
1	Tine Length	mm in	2438 96.0
2	Load Center	mm in	1219 48.0
	Static Tipping Load - Straight (Forks Level)	kg lbs	13199 29091
	Static Tipping Load - Articulated (Forks Level)	kg lbs	11685 25753
	Rated Load (SAE J1197 - 50% FTSTL)	kg lbs	5842 12876
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	kg lbs	6727 14826
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	kg lbs	6727 14826
3	Maximum Overall Length	mm in	11202 441.0
4	Reach with Forks at Ground Level	mm in	1351 53.2
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	mm in	-62 -2.4
6	Reach with Arms Horizontal and Forks Level	mm in	1970 77.5
7	Reach with Fork at Maximum Height	mm in	886 34.9
8	Ground to Top of Tine with Arms Horizontal and Fork Level	mm in	2135 84.1
9	Ground to Top of Tine at Maximum Height and Fork Level	mm in	4625 182.1
10	Overall Height of Fork at Full Lift (top of carriage to ground)	mm in	5665 223.0
11	Clearance at Full Lift and Max Dump	mm in	2280 89.8
12	Max Discharge Angle from Horizontal	deg	53
13	Overall Carriage Width	mm in	2833 111.5
14	Overall Carriage Height	mm in	1130 44.5
15	Outside Tine Width (max spread)	mm in	2483 97.8
16	Outside Tine Width (min spread)	mm in	590 23.2
	Tine Width (single tine)	mm in	180.0 7.1
	Tine Thickness	mm in	90.0 3.5
	Tine Capacity	kg lbs	11300 24905
	Operating Weight	kg lbs	29782 65640

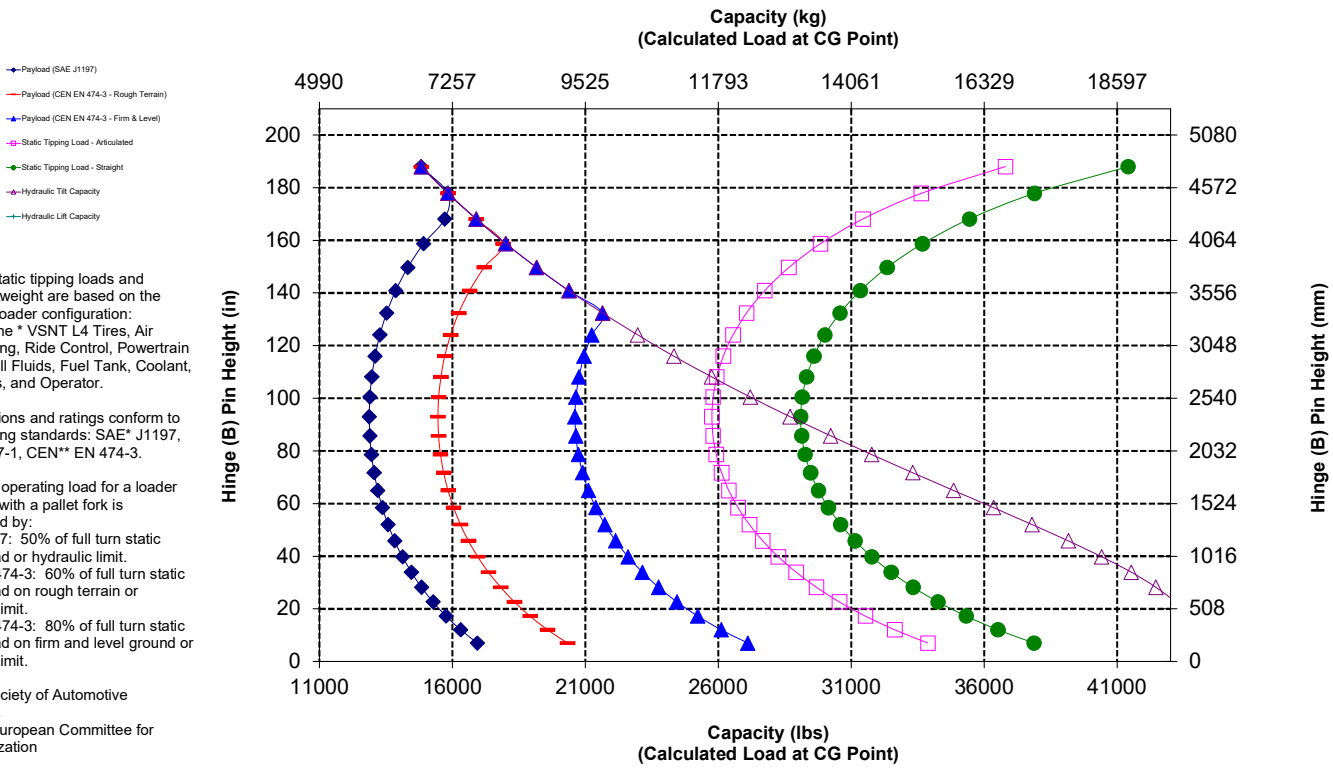
*Negative values indicate below grade

980 HL

Construction Fork, FUSION	108" Carriage	96" Tine
	520-7968	520-7981

*Build 14A
*Parallel Z-Bar Linkage
*High Lift Configuration





NOTE: Static tipping loads and operating weight are based on the following loader configuration: Bridgestone * VSNT L4 Tires, Air Conditioning, Ride Control, Powertrain Guard, Full Fluids, Fuel Tank, Coolant, Lubricants, and Operator.

Specifications and ratings conform to the following standards: SAE* J1197, ISO 14397-1, CEN** EN 474-3.

The rated operating load for a loader equipped with a pallet fork is determined by:
SAE J1197: 50% of full turn static tipping load or hydraulic limit.
CEN EN 474-3: 60% of full turn static tipping load on rough terrain or hydraulic limit.
CEN EN 474-3: 80% of full turn static tipping load on firm and level ground or hydraulic limit.

*SAE - Society of Automotive Engineers
**CEN - European Committee for Standardization

Fork Specifications

Fork Specifications

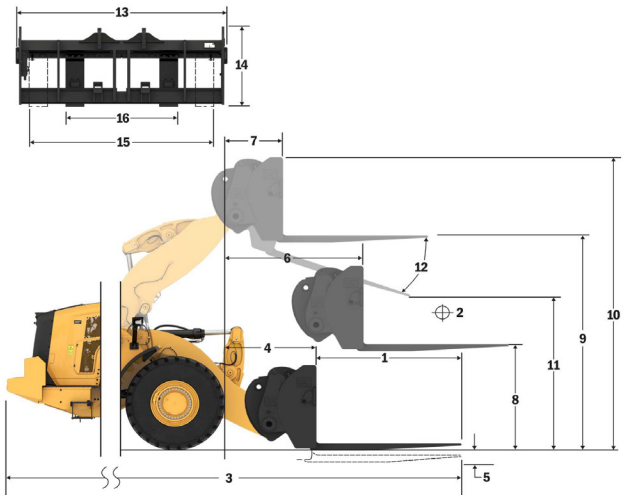
1	Tine Length	mm in	1829 72.0
2	Load Center	mm in	914 36.0
	Static Tipping Load - Straight (Forks Level)	kg lbs	14048 30961
	Static Tipping Load - Articulated (Forks Level)	kg lbs	12414 27362
	Rated Load (SAE J1197 - 50% FTSTL)	kg lbs	6207 13681
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	kg lbs	7449 16417
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	kg lbs	8586 18924
3	Maximum Overall Length	mm in	10612 417.8
4	Reach with Forks at Ground Level	mm in	1371 54.0
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	mm in	-96 -3.8
6	Reach with Arms Horizontal and Forks Level	mm in	1969 77.5
7	Reach with Fork at Maximum Height	mm in	885 34.8
8	Ground to Top of Tine with Arms Horizontal and Fork Level	mm in	2097 82.5
9	Ground to Top of Tine at Maximum Height and Fork Level	mm in	4586 180.5
10	Overall Height of Fork at Full Lift (top of carriage to ground)	mm in	5630 221.6
11	Clearance at Full Lift and Max Dump	mm in	2674 105.3
12	Max Discharge Angle from Horizontal	deg	57
13	Overall Carriage Width	mm in	2821 111.1
14	Overall Carriage Height	mm in	1129 44.4
15	Outside Tine Width (max spread)	mm in	2627 103.4
16	Outside Tine Width (min spread)	mm in	747 29.4
	Tine Width (single tine)	mm in	250.0 9.8
	Tine Thickness	mm in	85.0 3.3
	Tine Capacity	kg lbs	18700 41215
	Operating Weight	kg lbs	30095 66329

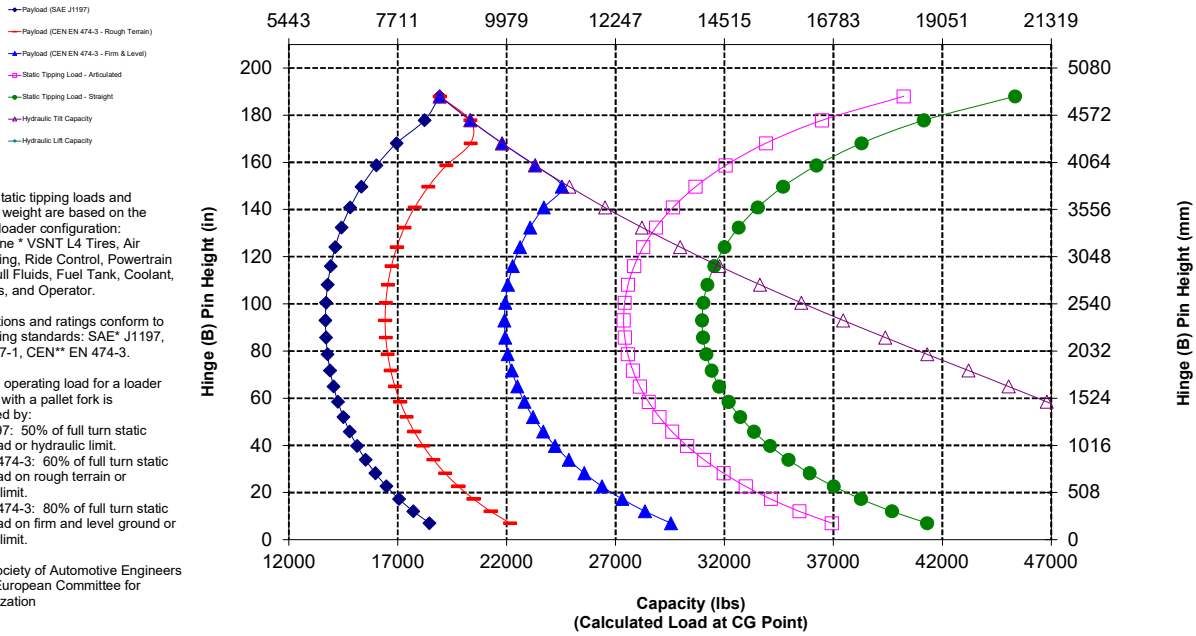
*Negative values indicate below grade

980 HL

Construction Fork, HD, FUSION

108" Carriage	72" Tine
523-4199	523-4200





NOTE: Static tipping loads and operating weight are based on the following loader configuration: Bridgestone * VSNT L4 Tires, Air Conditioning, Ride Control, Powertrain Guard, Full Fluids, Fuel Tank, Coolant, Lubricants, and Operator.

Specifications and ratings conform to the following standards: SAE* J1197, ISO 14397-1, CEN** EN 474-3.

The rated operating load for a loader equipped with a pallet fork is determined by:
SAE J1197: 50% of full turn static tipping load or hydraulic limit.
CEN EN 474-3: 60% of full turn static tipping load on rough terrain or hydraulic limit.
CEN EN 474-3: 80% of full turn static tipping load on firm and level ground or hydraulic limit.

*SAE - Society of Automotive Engineers
**CEN - European Committee for Standardization

WARNING: Do not exceed tine load capacity. Individual tine capacity is stamped on the side of each tine.

Fork Specifications

Fork Specifications

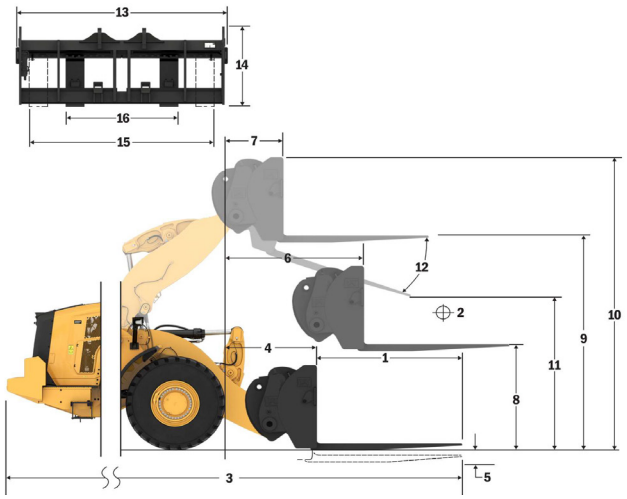
1	Tine Length	mm in	2134 84.0
2	Load Center	mm in	1067 42.0
	Static Tipping Load - Straight (Forks Level)	kg lbs	13409 29553
	Static Tipping Load - Articulated (Forks Level)	kg lbs	11838 26090
	Rated Load (SAE J1197 - 50% FTSTL)	kg lbs	5919 13045
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	kg lbs	7103 15654
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	kg lbs	7633 16824
3	Maximum Overall Length	mm in	10921 429.9
4	Reach with Forks at Ground Level	mm in	1374 54.1
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	mm in	-96 -3.8
6	Reach with Arms Horizontal and Forks Level	mm in	1969 77.5
7	Reach with Fork at Maximum Height	mm in	885 34.8
8	Ground to Top of Tine with Arms Horizontal and Fork Level	mm in	2102 82.7
9	Ground to Top of Tine at Maximum Height and Fork Level	mm in	4591 180.7
10	Overall Height of Fork at Full Lift (top of carriage to ground)	mm in	5630 221.6
11	Clearance at Full Lift and Max Dump	mm in	2418 95.2
12	Max Discharge Angle from Horizontal	deg	57
13	Overall Carriage Width	mm in	2821 111.1
14	Overall Carriage Height	mm in	1129 44.4
15	Outside Tine Width (max spread)	mm in	2627 103.4
16	Outside Tine Width (min spread)	mm in	747 29.4
	Tine Width (single tine)	mm in	250.0 9.8
	Tine Thickness	mm in	90.0 3.5
	Tine Capacity	kg lbs	17729 39075
	Operating Weight	kg lbs	30197 66554

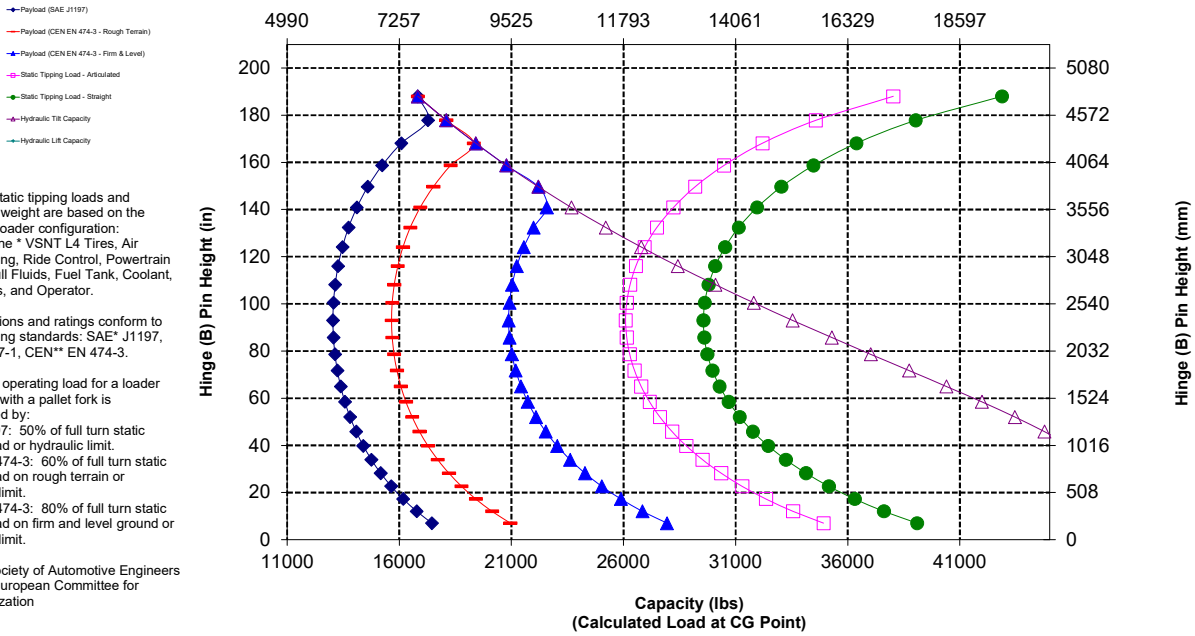
*Negative values indicate below grade

980 HL

Construction Fork, HD, FUSION

108" Carriage	84" Tine
523-4199	523-4201





NOTE: Static tipping loads and operating weight are based on the following loader configuration: Bridgestone * VSNT L4 Tires, Air Conditioning, Ride Control, Powertrain Guard, Full Fluids, Fuel Tank, Coolant, Lubricants, and Operator.

Specifications and ratings conform to the following standards: SAE* J1197, ISO 14397-1, CEN** EN 474-3.

The rated operating load for a loader equipped with a pallet fork is determined by:
SAE J1197: 50% of full turn static tipping load or hydraulic limit.
CEN EN 474-3: 60% of full turn static tipping load on rough terrain or hydraulic limit.
CEN EN 474-3: 80% of full turn static tipping load on firm and level ground or hydraulic limit.

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**CEN - European Committee for Standardization

WARNING: Do not exceed tine load capacity. Individual tine capacity is stamped on the side of each tine.

980 XE Wheel Loader Specifications

Fork Specifications

Fork Specifications

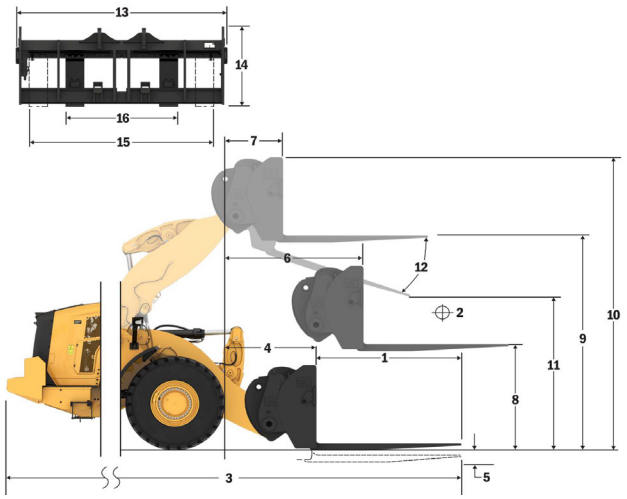
1	Tine Length	mm in	2438 96.0
2	Load Center	mm in	1219 48.0
	Static Tipping Load - Straight (Forks Level)	kg lbs	12757 28117
	Static Tipping Load - Articulated (Forks Level)	kg lbs	11245 24783
	Rated Load (SAE J1197 - 50% FTSTL)	kg lbs	5622 12392
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	kg lbs	6747 14870
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	kg lbs	6791 14967
3	Maximum Overall Length	mm in	11229 442.1
4	Reach with Forks at Ground Level	mm in	1378 54.2
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	mm in	-94 -3.7
6	Reach with Arms Horizontal and Forks Level	mm in	1974 77.7
7	Reach with Fork at Maximum Height	mm in	890 35.0
8	Ground to Top of Tine with Arms Horizontal and Fork Level	mm in	2103 82.8
9	Ground to Top of Tine at Maximum Height and Fork Level	mm in	4593 180.8
10	Overall Height of Fork at Full Lift (top of carriage to ground)	mm in	5630 221.6
11	Clearance at Full Lift and Max Dump	mm in	2159 85.0
12	Max Discharge Angle from Horizontal	deg	57
13	Overall Carriage Width	mm in	2821 111.1
14	Overall Carriage Height	mm in	1127 44.4
15	Outside Tine Width (max spread)	mm in	2629 103.5
16	Outside Tine Width (min spread)	mm in	747 29.4
	Tine Width (single tine)	mm in	250.0 9.8
	Tine Thickness	mm in	90.0 3.5
	Tine Capacity	kg lbs	15750 34713
	Operating Weight	kg lbs	30348 66887

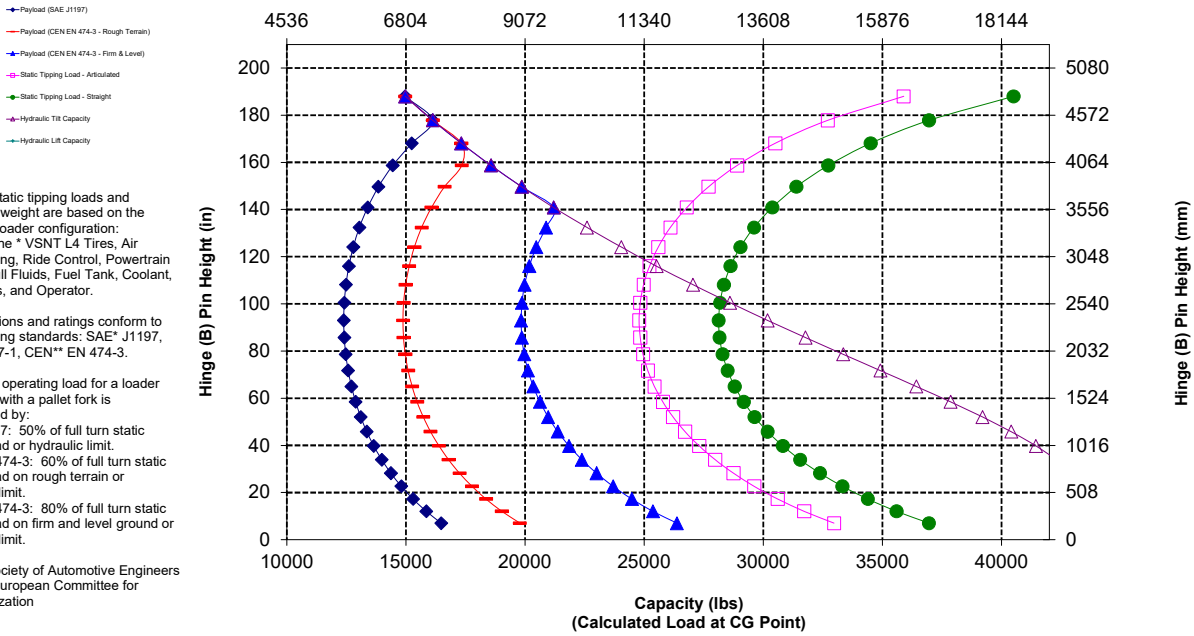
*Negative values indicate below grade

980 HL

Construction Fork, HD, FUSION

108" Carriage	96" Tine
523-4199	523-4202





NOTE: Static tipping loads and operating weight are based on the following loader configuration: Bridgestone * VSNT L4 Tires, Air Conditioning, Ride Control, Powertrain Guard, Full Fluids, Fuel Tank, Coolant, Lubricants, and Operator.

Specifications and ratings conform to the following standards: SAE* J1197, ISO 14397-1, CEN** EN 474-3.

The rated operating load for a loader equipped with a pallet fork is determined by:
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CEN EN 474-3: 60% of full turn static tipping load on rough terrain or hydraulic limit.
CEN EN 474-3: 80% of full turn static tipping load on firm and level ground or hydraulic limit.

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**CEN - European Committee for Standardization

WARNING: Do not exceed tine load capacity. Individual tine capacity is stamped on the side of each tine.

Fork Specifications

Fork Specifications

1	Tine Length	mm in	1830 72.0
2	Load Center	mm in	915 36.0
	Static Tipping Load - Straight (Forks Level)	kg lbs	16622 36635
	Static Tipping Load - Articulated (Forks Level)	kg lbs	14453 31855
	Rated Load (SAE J1197 - 50% FTSTL)	kg lbs	7227 15928
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	kg lbs	8327 18352
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	kg lbs	8327 18352
3	Maximum Overall Length	mm in	10445 411.2
4	Reach with Forks at Ground Level	mm in	1199 47.2
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	mm in	-151 -5.9
6	Reach with Arms Horizontal and Forks Level	mm in	1809 71.2
7	Reach with Fork at Maximum Height	mm in	883 34.7
8	Ground to Top of Tine with Arms Horizontal and Fork Level	mm in	2024 79.7
9	Ground to Top of Tine at Maximum Height and Fork Level	mm in	4292 169.0
10	Overall Height of Fork at Full Lift (top of carriage to ground)	mm in	5067 199.5
11	Clearance at Full Lift and Max Dump	mm in	2676 105.4
12	Max Discharge Angle from Horizontal	deg	45
13	Overall Carriage Width	mm in	2217 87.3
14	Overall Carriage Height	mm in	840 33.1
15	Outside Tine Width (max spread)	mm in	2070 81.5
16	Outside Tine Width (min spread)	mm in	470 18.5
	Tine Width (single tine)	mm in	150.0 5.9
	Tine Thickness	mm in	65.0 2.6
	Tine Capacity	kg lbs	5246 11562
	Operating Weight	kg lbs	29722 65507

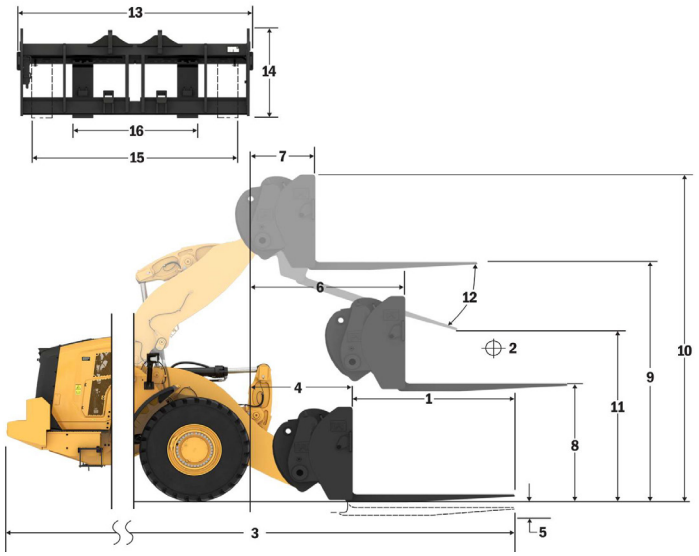
*Negative values indicate below grade

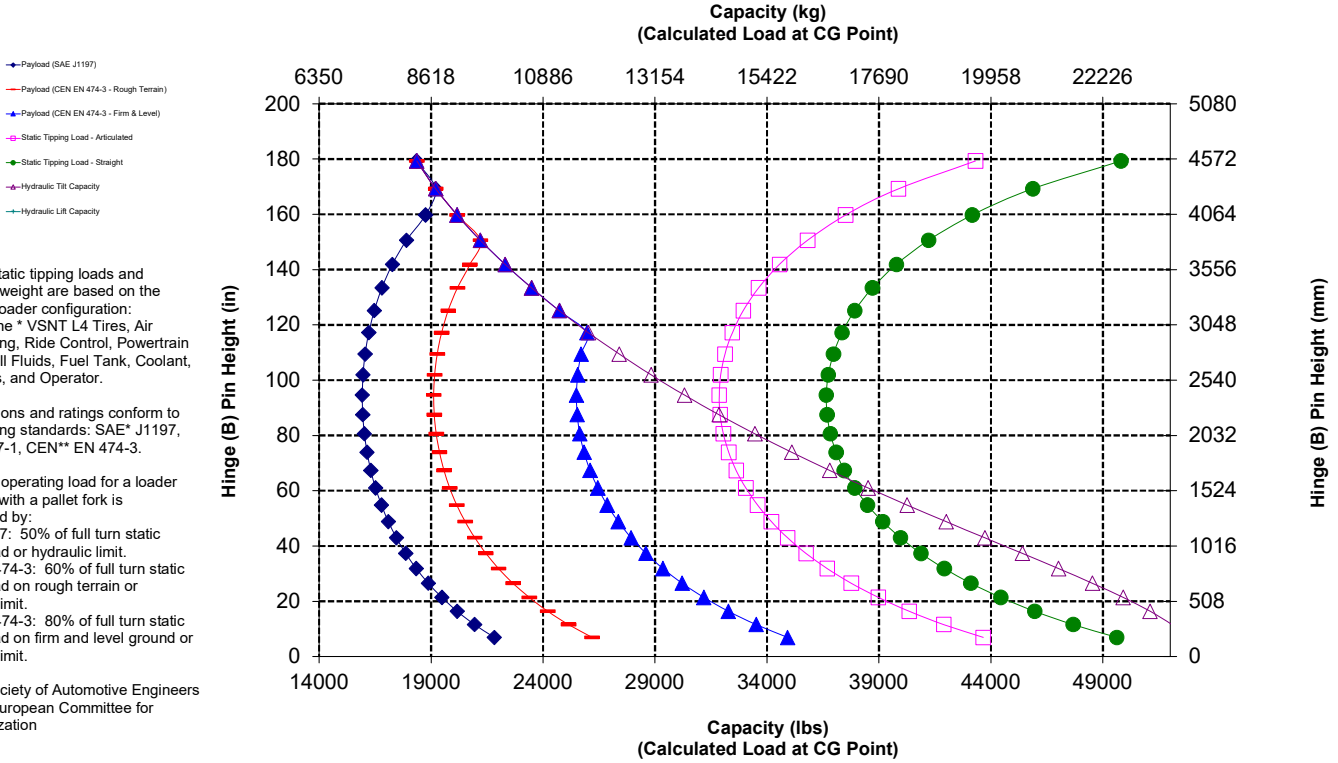
980 AGG

Pallet Fork, FUSION

2x 130 mm HE Tilt Cylinders

87" Carriage	72" Tine
530-1861	530-1869





NOTE: Static tipping loads and operating weight are based on the following loader configuration: Bridgestone * VSNT L4 Tires, Air Conditioning, Ride Control, Powertrain Guard, Full Fluids, Fuel Tank, Coolant, Lubricants, and Operator.

Specifications and ratings conform to the following standards: SAE* J1197, ISO 14397-1, CEN** EN 474-3.

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980 XE Wheel Loader Specifications

Fork Specifications

Fork Specifications

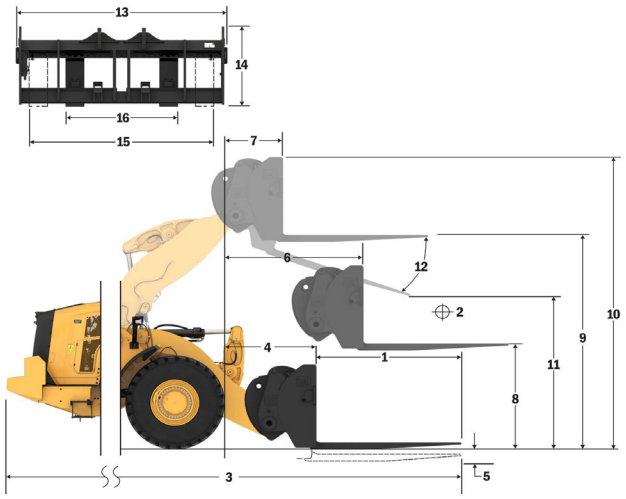
1	Tine Length	mm in	1829 72.0
2	Load Center	mm in	915 36.0
	Static Tipping Load - Straight (Forks Level)	kg lbs	16347 36029
	Static Tipping Load - Articulated (Forks Level)	kg lbs	14170 31231
	Rated Load (SAE J1197 - 50% FTSTL)	kg lbs	7085 15615
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	kg lbs	8502 18738
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	kg lbs	8691 19155
3	Maximum Overall Length	mm in	10387 408.9
4	Reach with Forks at Ground Level	mm in	1141 44.9
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	mm in	-65 -2.5
6	Reach with Arms Horizontal and Forks Level	mm in	1797 70.7
7	Reach with Fork at Maximum Height	mm in	870 34.2
8	Ground to Top of Tine with Arms Horizontal and Fork Level	mm in	2135 84.0
9	Ground to Top of Tine at Maximum Height and Fork Level	mm in	4403 173.4
10	Overall Height of Fork at Full Lift (top of carriage to ground)	mm in	5443 214.3
11	Clearance at Full Lift and Max Dump	mm in	2597 102.3
12	Max Discharge Angle from Horizontal	deg	51
13	Overall Carriage Width	mm in	2833 111.5
14	Overall Carriage Height	mm in	1130 44.5
15	Outside Tine Width (max spread)	mm in	2483 97.8
16	Outside Tine Width (min spread)	mm in	590 23.2
	Tine Width (single tine)	mm in	180.0 7.1
	Tine Thickness	mm in	90.0 3.5
	Tine Capacity	kg lbs	14800 32619
	Operating Weight	kg lbs	30161 66474

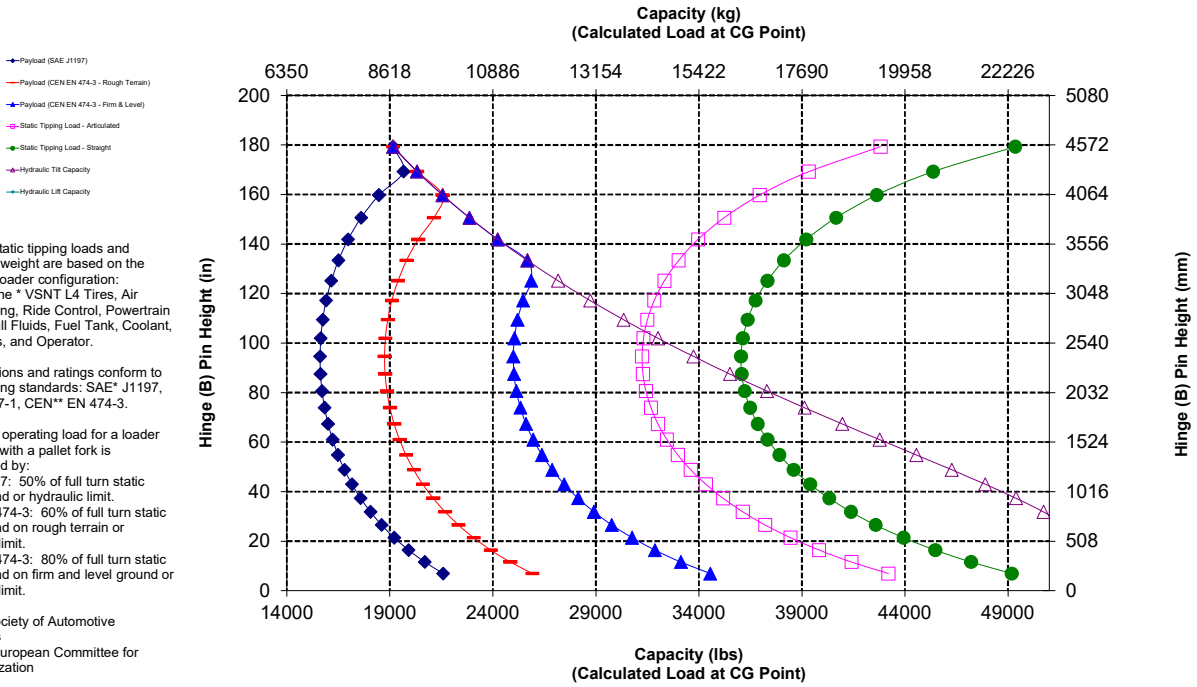
*Negative values indicate below grade

980 AGG

Construction Fork, FUSION	108" Carriage	72" Tine
	520-7968	520-7979

*Build 14A
*Parallel Z-Bar Linkage
*Aggregate Handling Configuration





NOTE: Static tipping loads and operating weight are based on the following loader configuration: Bridgestone * VSNT L4 Tires, Air Conditioning, Ride Control, Powertrain Guard, Full Fluids, Fuel Tank, Coolant, Lubricants, and Operator.

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WARNING: Do not exceed tine load capacity. Individual tine capacity is stamped on the side of each tine.

Fork Specifications

Fork Specifications

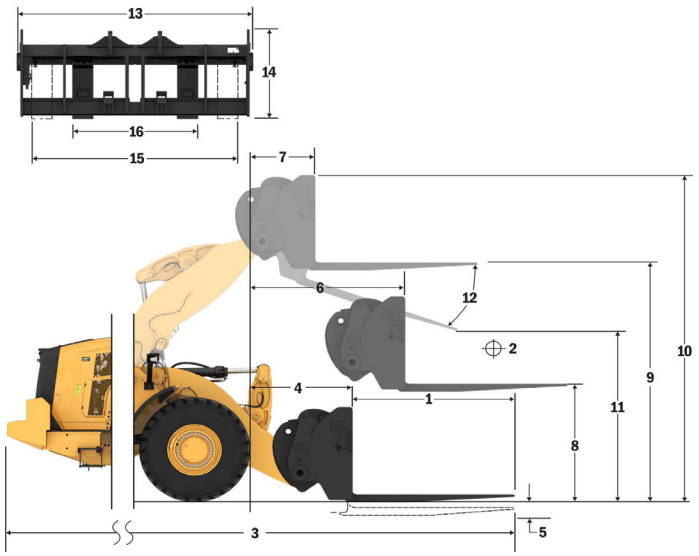
1	Tine Length	mm in	2134 84.0
2	Load Center	mm in	1067 42.0
	Static Tipping Load - Straight (Forks Level)	kg lbs	15637 34463
	Static Tipping Load - Articulated (Forks Level)	kg lbs	13546 29855
	Rated Load (SAE J1197 - 50% FTSTL)	kg lbs	6773 14927
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	kg lbs	7759 17102
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	kg lbs	7759 17102
3	Maximum Overall Length	mm in	10692 420.9
4	Reach with Forks at Ground Level	mm in	1141 44.9
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	mm in	-65 -2.5
6	Reach with Arms Horizontal and Forks Level	mm in	1797 70.7
7	Reach with Fork at Maximum Height	mm in	870 34.2
8	Ground to Top of Tine with Arms Horizontal and Fork Level	mm in	2135 84.0
9	Ground to Top of Tine at Maximum Height and Fork Level	mm in	4403 173.4
10	Overall Height of Fork at Full Lift (top of carriage to ground)	mm in	5443 214.3
11	Clearance at Full Lift and Max Dump	mm in	2359 92.9
12	Max Discharge Angle from Horizontal	deg	51
13	Overall Carriage Width	mm in	2833 111.5
14	Overall Carriage Height	mm in	1130 44.5
15	Outside Tine Width (max spread)	mm in	2483 97.8
16	Outside Tine Width (min spread)	mm in	590 23.2
	Tine Width (single tine)	mm in	180.0 7.1
	Tine Thickness	mm in	90.0 3.5
	Tine Capacity	kg lbs	12700 27991
	Operating Weight	kg lbs	30223 66611

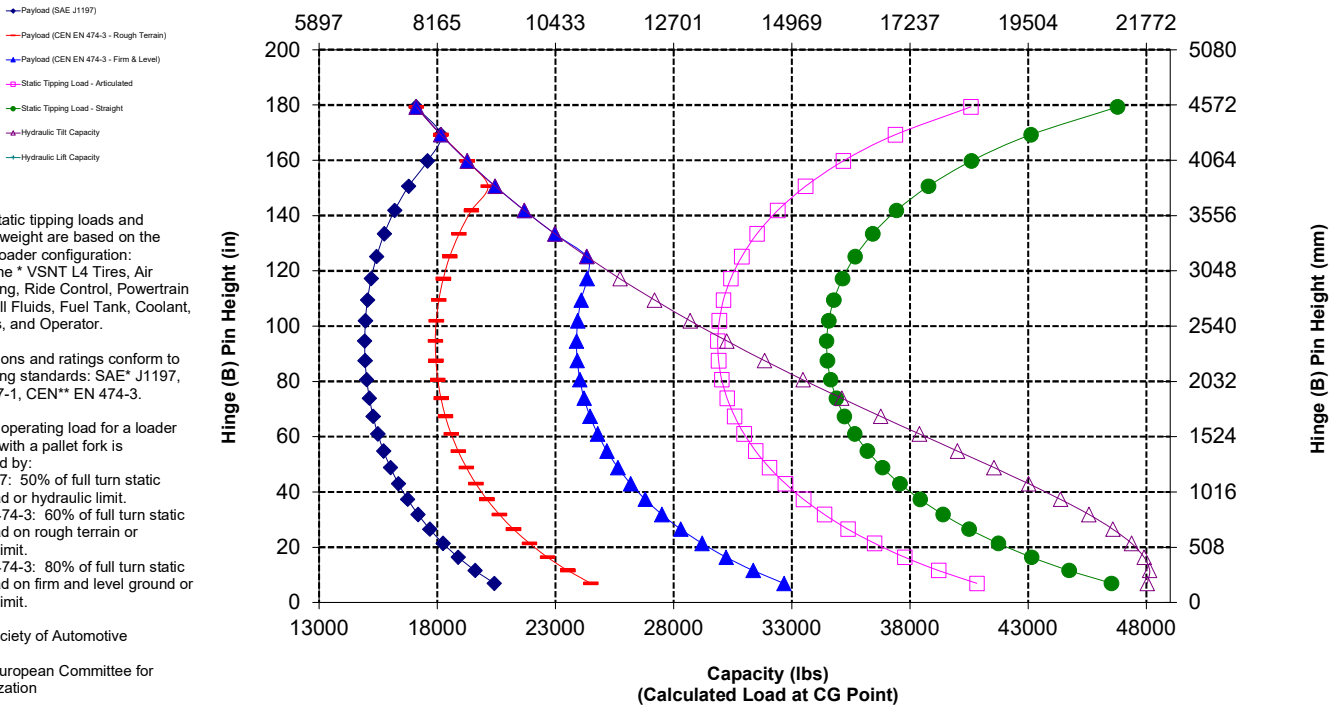
*Negative values indicate below grade

980 AGG

Construction Fork, FUSION	108" Carriage	84" Tine
	520-7968	520-7986

*Build 14A
*Parallel Z-Bar Linkage
*Aggregate Handling Configuration





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Specifications and ratings conform to the following standards: SAE* J1197, ISO 14397-1, CEN** EN 474-3.

The rated operating load for a loader equipped with a pallet fork is determined by:
SAE J1197: 50% of full turn static tipping load or hydraulic limit.
CEN EN 474-3: 60% of full turn static tipping load on rough terrain or hydraulic limit.
CEN EN 474-3: 80% of full turn static tipping load on firm and level ground or hydraulic limit.

*SAE - Society of Automotive Engineers
**CEN - European Committee for Standardization

980 XE Wheel Loader Specifications

Fork Specifications

Fork Specifications

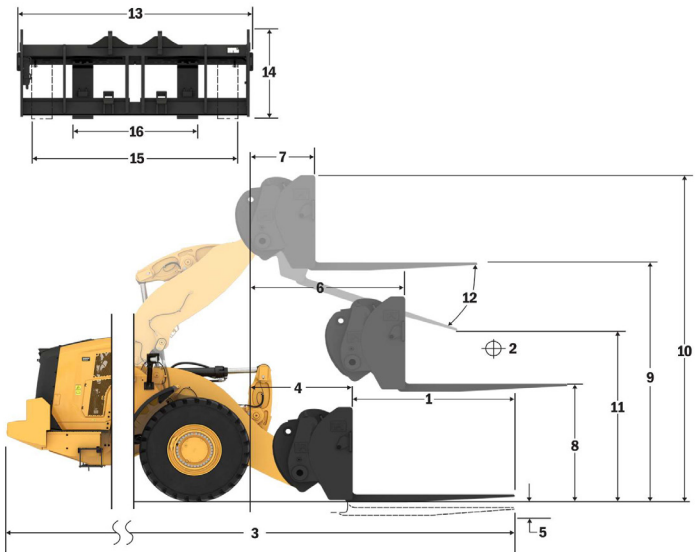
1	Tine Length	mm in	2438 96.0
2	Load Center	mm in	1219 48.0
	Static Tipping Load - Straight (Forks Level)	kg lbs	14976 33008
	Static Tipping Load - Articulated (Forks Level)	kg lbs	12965 28575
	Rated Load (SAE J1197 - 50% FTSTL)	kg lbs	6483 14288
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	kg lbs	6988 15401
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	kg lbs	6988 15401
3	Maximum Overall Length	mm in	10996 432.9
4	Reach with Forks at Ground Level	mm in	1141 44.9
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	mm in	-65 -2.5
6	Reach with Arms Horizontal and Forks Level	mm in	1797 70.7
7	Reach with Fork at Maximum Height	mm in	870 34.2
8	Ground to Top of Tine with Arms Horizontal and Fork Level	mm in	2135 84.0
9	Ground to Top of Tine at Maximum Height and Fork Level	mm in	4403 173.4
10	Overall Height of Fork at Full Lift (top of carriage to ground)	mm in	5443 214.3
11	Clearance at Full Lift and Max Dump	mm in	2122 83.5
12	Max Discharge Angle from Horizontal	deg	51
13	Overall Carriage Width	mm in	2833 111.5
14	Overall Carriage Height	mm in	1130 44.5
15	Outside Tine Width (max spread)	mm in	2483 97.8
16	Outside Tine Width (min spread)	mm in	590 23.2
	Tine Width (single tine)	mm in	180.0 7.1
	Tine Thickness	mm in	90.0 3.5
	Tine Capacity	kg lbs	11300 24905
	Operating Weight	kg lbs	30286 66750

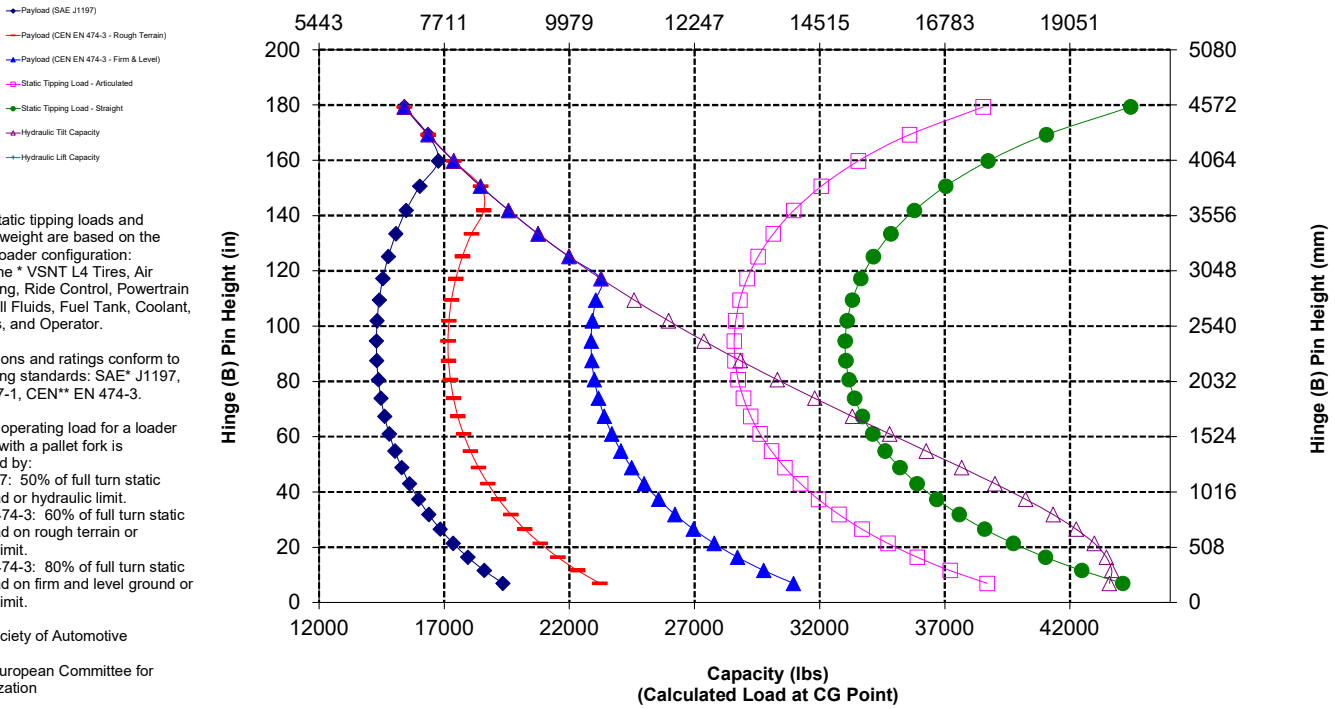
*Negative values indicate below grade

980 AGG

Construction Fork, FUSION	108" Carriage	96" Tine
	520-7968	520-7981

*Build 14A
*Parallel Z-Bar Linkage
*Aggregate Handling Configuration





NOTE: Static tipping loads and operating weight are based on the following loader configuration: Bridgestone * VSNT L4 Tires, Air Conditioning, Ride Control, Powertrain Guard, Full Fluids, Fuel Tank, Coolant, Lubricants, and Operator.

Specifications and ratings conform to the following standards: SAE* J1197, ISO 14397-1, CEN** EN 474-3.

The rated operating load for a loader equipped with a pallet fork is determined by:
SAE J1197: 50% of full turn static tipping load or hydraulic limit.
CEN EN 474-3: 60% of full turn static tipping load on rough terrain or hydraulic limit.
CEN EN 474-3: 80% of full turn static tipping load on firm and level ground or hydraulic limit.

*SAE - Society of Automotive Engineers
**CEN - European Committee for Standardization

Fork Specifications

Fork Specifications

1	Tine Length	mm in	1829 72.0
2	Load Center	mm in	914 36.0
	Static Tipping Load - Straight (Forks Level)	kg lbs	16020 35309
	Static Tipping Load - Articulated (Forks Level)	kg lbs	13844 30513
	Rated Load (SAE J1197 - 50% FTSTL)	kg lbs	6922 15256
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	kg lbs	8307 18308
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	kg lbs	8905 19627
3	Maximum Overall Length	mm in	10408 409.8
4	Reach with Forks at Ground Level	mm in	1162 45.8
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	mm in	-99 -3.9
6	Reach with Arms Horizontal and Forks Level	mm in	1796 70.7
7	Reach with Fork at Maximum Height	mm in	869 34.2
8	Ground to Top of Tine with Arms Horizontal and Fork Level	mm in	2095 82.5
9	Ground to Top of Tine at Maximum Height and Fork Level	mm in	4364 171.8
10	Overall Height of Fork at Full Lift (top of carriage to ground)	mm in	5407 212.9
11	Clearance at Full Lift and Max Dump	mm in	2498 98.3
12	Max Discharge Angle from Horizontal	deg	55
13	Overall Carriage Width	mm in	2821 111.1
14	Overall Carriage Height	mm in	1129 44.4
15	Outside Tine Width (max spread)	mm in	2627 103.4
16	Outside Tine Width (min spread)	mm in	747 29.4
	Tine Width (single tine)	mm in	250.0 9.8
	Tine Thickness	mm in	85.0 3.3
	Tine Capacity	kg lbs	18700 41215
	Operating Weight	kg lbs	30599 67440

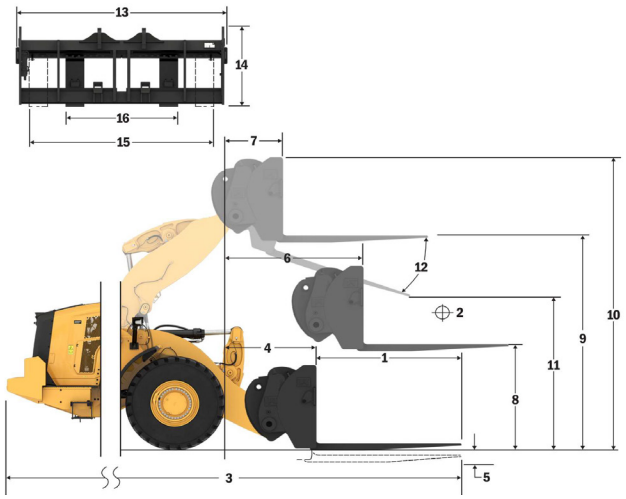
*Negative values indicate below grade

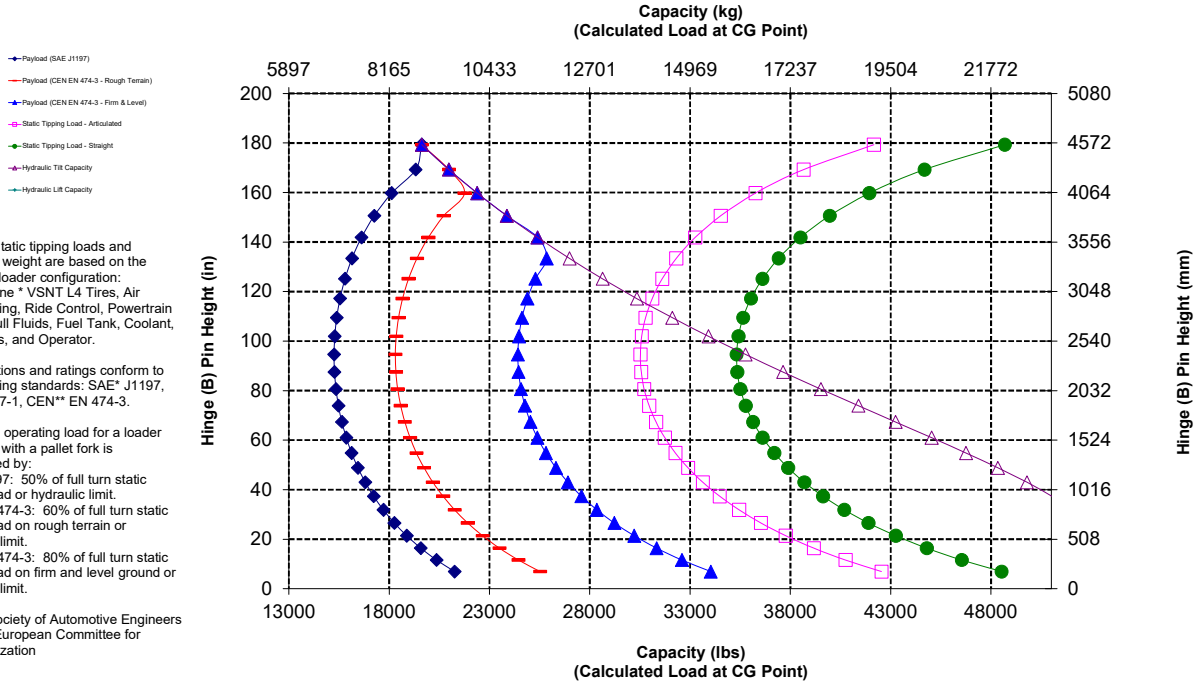
980 AGG

Construction Fork, HD, FUSION

2x 130 mm HE Tilt Cylinders

108" Carriage	72" Tine
523-4199	523-4200





NOTE: Static tipping loads and operating weight are based on the following loader configuration: Bridgestone * VSNT L4 Tires, Air Conditioning, Ride Control, Powertrain Guard, Full Fluids, Fuel Tank, Coolant, Lubricants, and Operator.

Specifications and ratings conform to the following standards: SAE* J1197, ISO 14397-1, CEN** EN 474-3.

The rated operating load for a loader equipped with a pallet fork is determined by:
SAE J1197: 50% of full turn static tipping load or hydraulic limit.
CEN EN 474-3: 60% of full turn static tipping load on rough terrain or hydraulic limit.
CEN EN 474-3: 80% of full turn static tipping load on firm and level ground or hydraulic limit.

*SAE - Society of Automotive Engineers
**CEN - European Committee for Standardization

WARNING: Do not exceed tine load capacity. Individual tine capacity is stamped on the side of each tine.

980 XE Wheel Loader Specifications

Fork Specifications

Fork Specifications

1	Tine Length	mm in	2134 84.0
2	Load Center	mm in	1067 42.0
	Static Tipping Load - Straight (Forks Level)	kg lbs	15281 33680
	Static Tipping Load - Articulated (Forks Level)	kg lbs	13192 29075
	Rated Load (SAE J1197 - 50% FTSTL)	kg lbs	6596 14537
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	kg lbs	7914 17442
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	kg lbs	7914 17442
3	Maximum Overall Length	mm in	10717 421.9
4	Reach with Forks at Ground Level	mm in	1166 45.9
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	mm in	-99 -3.9
6	Reach with Arms Horizontal and Forks Level	mm in	1796 70.7
7	Reach with Fork at Maximum Height	mm in	869 34.2
8	Ground to Top of Tine with Arms Horizontal and Fork Level	mm in	2100 82.7
9	Ground to Top of Tine at Maximum Height and Fork Level	mm in	4369 172.0
10	Overall Height of Fork at Full Lift (top of carriage to ground)	mm in	5407 212.9
11	Clearance at Full Lift and Max Dump	mm in	2247 88.5
12	Max Discharge Angle from Horizontal	deg	55
13	Overall Carriage Width	mm in	2821 111.1
14	Overall Carriage Height	mm in	1129 44.4
15	Outside Tine Width (max spread)	mm in	2627 103.4
16	Outside Tine Width (min spread)	mm in	747 29.4
	Tine Width (single tine)	mm in	250.0 9.8
	Tine Thickness	mm in	90.0 3.5
	Tine Capacity	kg lbs	17729 39075
	Operating Weight	kg lbs	30701 67664

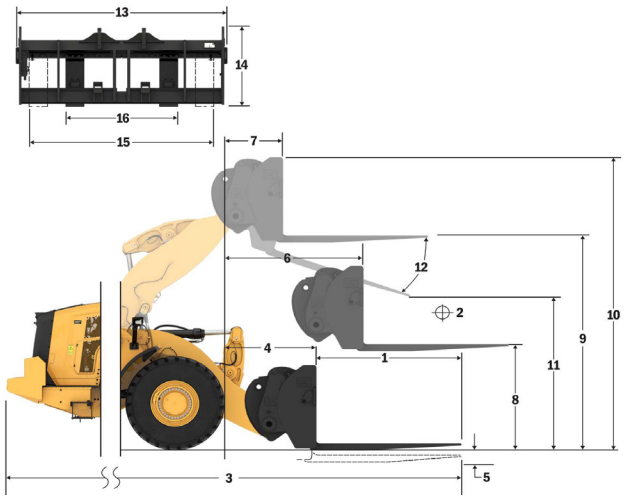
*Negative values indicate below grade

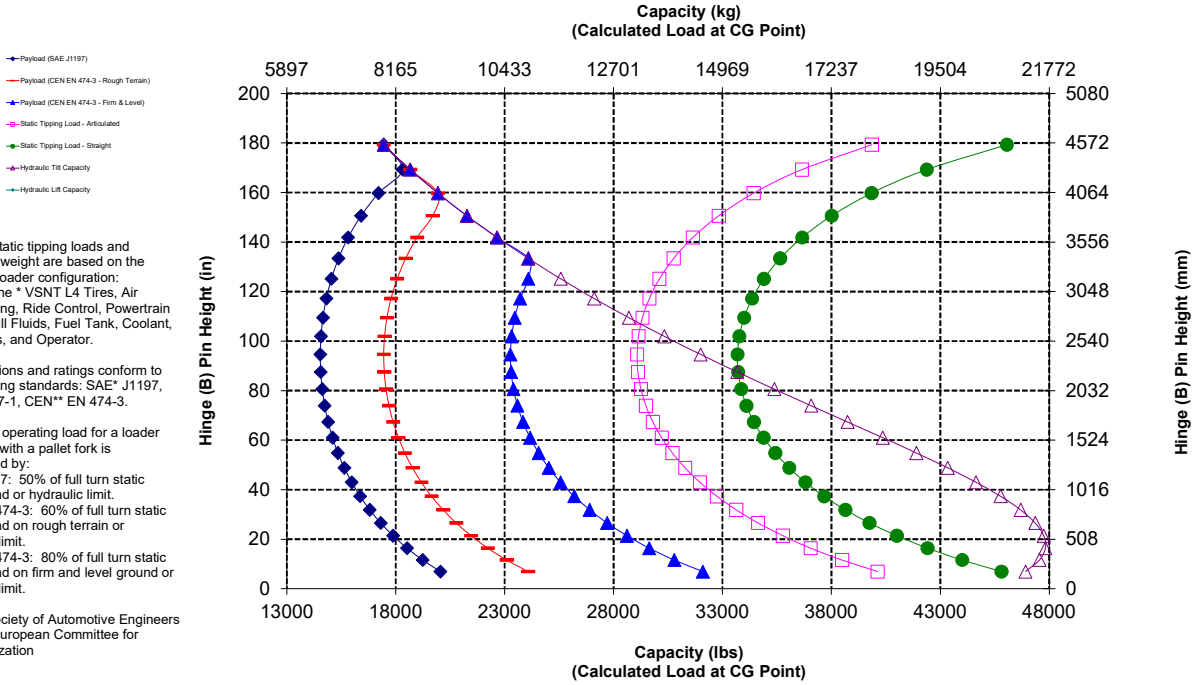
980 AGG

Construction Fork, HD, FUSION

2x 130 mm HE Tilt Cylinders

108" Carriage	84" Tine
523-4199	523-4201





NOTE: Static tipping loads and operating weight are based on the following loader configuration: Bridgestone * VSNT L4 Tires, Air Conditioning, Ride Control, Powertrain Guard, Full Fluids, Fuel Tank, Coolant, Lubricants, and Operator.

Specifications and ratings conform to the following standards: SAE* J1197, ISO 14397-1, CEN** EN 474-3.

The rated operating load for a loader equipped with a pallet fork is determined by:
SAE J1197: 50% of full turn static tipping load or hydraulic limit.
CEN EN 474-3: 60% of full turn static tipping load on rough terrain or hydraulic limit.
CEN EN 474-3: 80% of full turn static tipping load on firm and level ground or hydraulic limit.

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**CEN - European Committee for Standardization

WARNING: Do not exceed tine load capacity. Individual tine capacity is stamped on the side of each tine.

Fork Specifications

Fork Specifications

1	Tine Length	mm in	2438 96.0
2	Load Center	mm in	1219 48.0
	Static Tipping Load - Straight (Forks Level)	kg lbs	14537 32041
	Static Tipping Load - Articulated (Forks Level)	kg lbs	12529 27614
	Rated Load (SAE J1197 - 50% FTSTL)	kg lbs	6265 13807
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	kg lbs	7041 15518
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	kg lbs	7041 15518
3	Maximum Overall Length	mm in	11025 434.1
4	Reach with Forks at Ground Level	mm in	1170 46.1
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	mm in	-98 -3.8
6	Reach with Arms Horizontal and Forks Level	mm in	1801 70.9
7	Reach with Fork at Maximum Height	mm in	874 34.4
8	Ground to Top of Tine with Arms Horizontal and Fork Level	mm in	2102 82.7
9	Ground to Top of Tine at Maximum Height and Fork Level	mm in	4370 172.1
10	Overall Height of Fork at Full Lift (top of carriage to ground)	mm in	5407 212.9
11	Clearance at Full Lift and Max Dump	mm in	1994 78.5
12	Max Discharge Angle from Horizontal	deg	55
13	Overall Carriage Width	mm in	2821 111.1
14	Overall Carriage Height	mm in	1127 44.4
15	Outside Tine Width (max spread)	mm in	2629 103.5
16	Outside Tine Width (min spread)	mm in	747 29.4
	Tine Width (single tine)	mm in	250.0 9.8
	Tine Thickness	mm in	90.0 3.5
	Tine Capacity	kg lbs	15750 34713
	Operating Weight	kg lbs	30852 67997

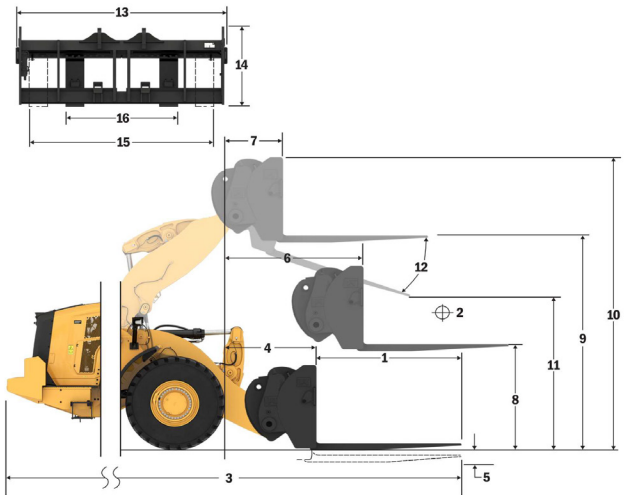
*Negative values indicate below grade

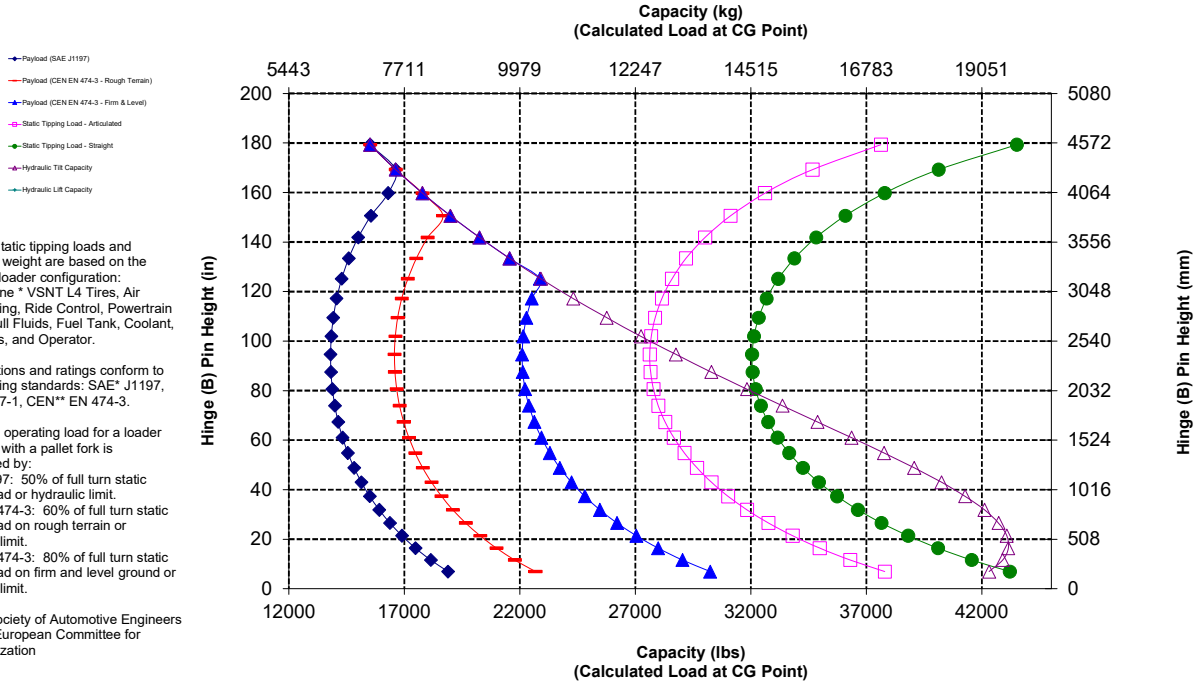
980 AGG

Construction Fork, HD, FUSION

2x 130 mm HE Tilt Cylinders

108" Carriage	96" Tine
523-4199	523-4202





NOTE: Static tipping loads and operating weight are based on the following loader configuration: Bridgestone * VSNT L4 Tires, Air Conditioning, Ride Control, Powertrain Guard, Full Fluids, Fuel Tank, Coolant, Lubricants, and Operator.

Specifications and ratings conform to the following standards: SAE* J1197, ISO 14397-1, CEN** EN 474-3.

The rated operating load for a loader equipped with a pallet fork is determined by:
SAE J1197: 50% of full turn static tipping load or hydraulic limit.
CEN EN 474-3: 60% of full turn static tipping load on rough terrain or hydraulic limit.
CEN EN 474-3: 80% of full turn static tipping load on firm and level ground or hydraulic limit.

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**CEN - European Committee for Standardization

WARNING: Do not exceed tine load capacity. Individual tine capacity is stamped on the side of each tine.

980 XE Wheel Loader Specifications

Fork Specifications

Fork Specifications

1	Tine Length	mm in	1830 72.0
2	Load Center	mm in	915 36.0
	Static Tipping Load - Straight (Forks Level)	kg lbs	16621 36633
	Static Tipping Load - Articulated (Forks Level)	kg lbs	14453 31854
	Rated Load (SAE J1197 - 50% FTSTL)	kg lbs	7226 15927
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	kg lbs	8672 19112
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	kg lbs	11207 24701
3	Maximum Overall Length	mm in	10445 411.2
4	Reach with Forks at Ground Level	mm in	1199 47.2
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	mm in	-151 -5.9
6	Reach with Arms Horizontal and Forks Level	mm in	1809 71.2
7	Reach with Fork at Maximum Height	mm in	883 34.7
8	Ground to Top of Tine with Arms Horizontal and Fork Level	mm in	2024 79.7
9	Ground to Top of Tine at Maximum Height and Fork Level	mm in	4292 169.0
10	Overall Height of Fork at Full Lift (top of carriage to ground)	mm in	5067 199.5
11	Clearance at Full Lift and Max Dump	mm in	2676 105.4
12	Max Discharge Angle from Horizontal	deg	45
13	Overall Carriage Width	mm in	2217 87.3
14	Overall Carriage Height	mm in	840 33.1
15	Outside Tine Width (max spread)	mm in	2070 81.5
16	Outside Tine Width (min spread)	mm in	470 18.5
	Tine Width (single tine)	mm in	150.0 5.9
	Tine Thickness	mm in	65.0 2.6
	Tine Capacity	kg lbs	5246 11562
	Operating Weight	kg lbs	29772 65617

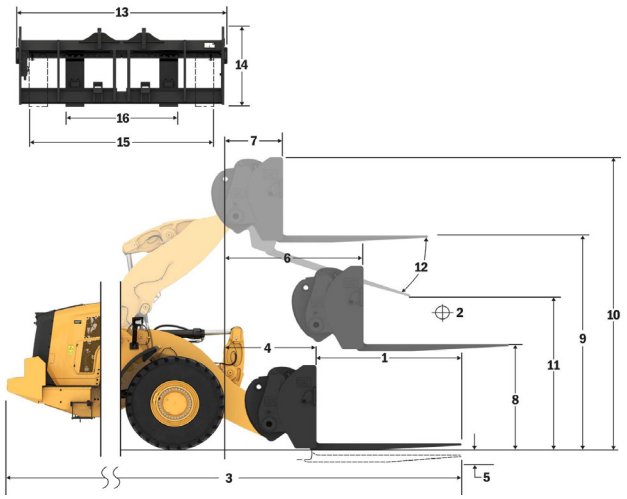
*Negative values indicate below grade

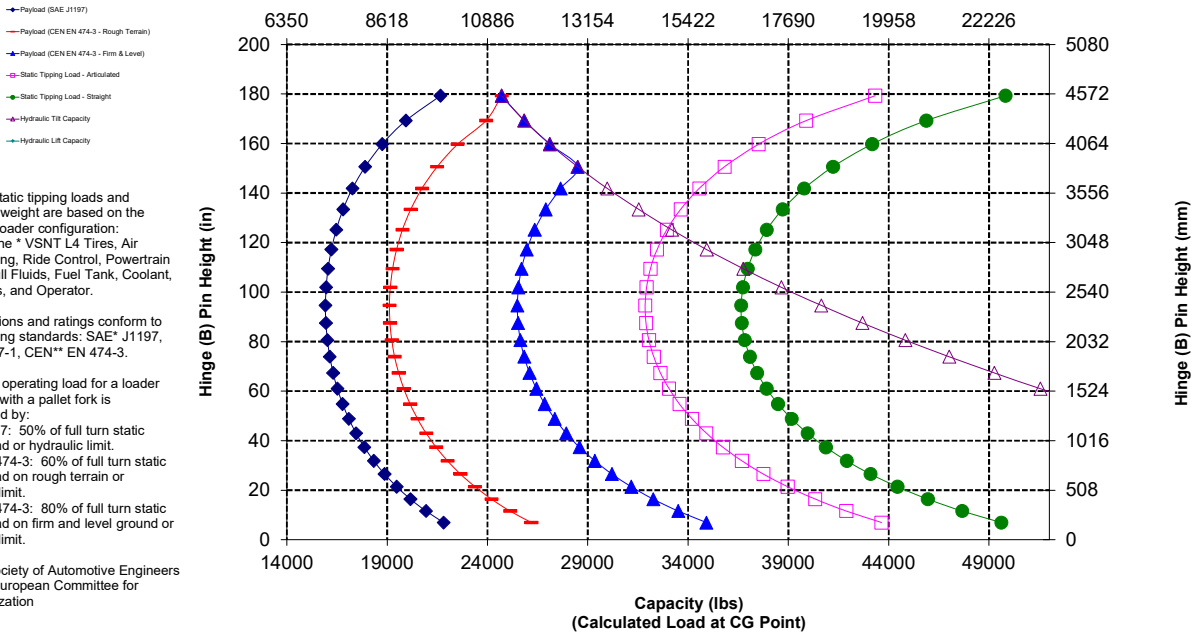
980 XE AGG QC

Pallet Fork, FUSION

2x 150 mm HE Tilt Cylinders

87" Carriage	72" Tine
530-1861	530-1869





NOTE: Static tipping loads and operating weight are based on the following loader configuration: Bridgestone * VSNT L4 Tires, Air Conditioning, Ride Control, Powertrain Guard, Full Fluids, Fuel Tank, Coolant, Lubricants, and Operator.

Specifications and ratings conform to the following standards: SAE* J1197, ISO 14397-1, CEN** EN 474-3.

The rated operating load for a loader equipped with a pallet fork is determined by:
SAE J1197: 50% of full turn static tipping load or hydraulic limit.
CEN EN 474-3: 60% of full turn static tipping load on rough terrain or hydraulic limit.
CEN EN 474-3: 80% of full turn static tipping load on firm and level ground or hydraulic limit.

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**CEN - European Committee for Standardization

WARNING: Do not exceed tine load capacity. Individual tine capacity is stamped on the side of each tine.

Fork Specifications

Fork Specifications

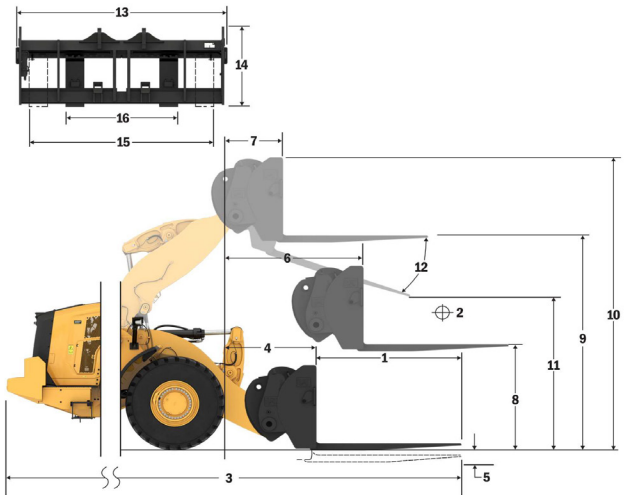
1	Tine Length	mm in	1829 72.0
2	Load Center	mm in	915 36.0
	Static Tipping Load - Straight (Forks Level)	kg lbs	16347 36028
	Static Tipping Load - Articulated (Forks Level)	kg lbs	14169 31229
	Rated Load (SAE J1197 - 50% FTSTL)	kg lbs	7085 15614
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	kg lbs	8501 18737
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	kg lbs	11335 24983
3	Maximum Overall Length	mm in	10387 408.9
4	Reach with Forks at Ground Level	mm in	1141 44.9
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	mm in	-65 -2.5
6	Reach with Arms Horizontal and Forks Level	mm in	1797 70.7
7	Reach with Fork at Maximum Height	mm in	870 34.2
8	Ground to Top of Tine with Arms Horizontal and Fork Level	mm in	2135 84.0
9	Ground to Top of Tine at Maximum Height and Fork Level	mm in	4403 173.4
10	Overall Height of Fork at Full Lift (top of carriage to ground)	mm in	5443 214.3
11	Clearance at Full Lift and Max Dump	mm in	2597 102.3
12	Max Discharge Angle from Horizontal	deg	51
13	Overall Carriage Width	mm in	2833 111.5
14	Overall Carriage Height	mm in	1130 44.5
15	Outside Tine Width (max spread)	mm in	2483 97.8
16	Outside Tine Width (min spread)	mm in	590 23.2
	Tine Width (single tine)	mm in	180.0 7.1
	Tine Thickness	mm in	90.0 3.5
	Tine Capacity	kg lbs	14800 32619
	Operating Weight	kg lbs	30211 66585

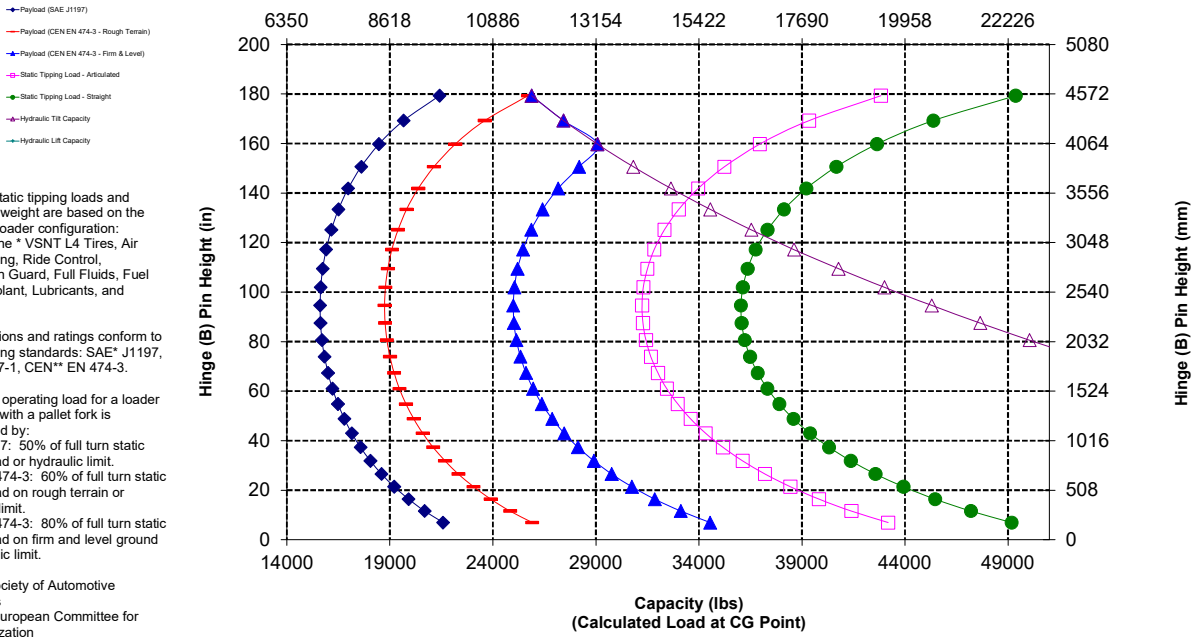
*Negative values indicate below grade

980 AGG QC

Construction Fork, FUSION	108" Carriage	72" Tine
	520-7968	520-7979

*Build 14A
*Parallel Z-Bar Linkage
*150mm HE Tilt Cylinders, for use with FUSION only





NOTE: Static tipping loads and operating weight are based on the following loader configuration: Bridgestone * VSNT L4 Tires, Air Conditioning, Ride Control, Powertrain Guard, Full Fluids, Fuel Tank, Coolant, Lubricants, and Operator.

Specifications and ratings conform to the following standards: SAE* J1197, ISO 14397-1, CEN** EN 474-3.

The rated operating load for a loader equipped with a pallet fork is determined by:
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CEN EN 474-3: 80% of full turn static tipping load on firm and level ground or hydraulic limit.

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**CEN - European Committee for Standardization

WARNING: Do not exceed tine load capacity. Individual tine capacity is stamped on the side of each tine.

Fork Specifications

Fork Specifications

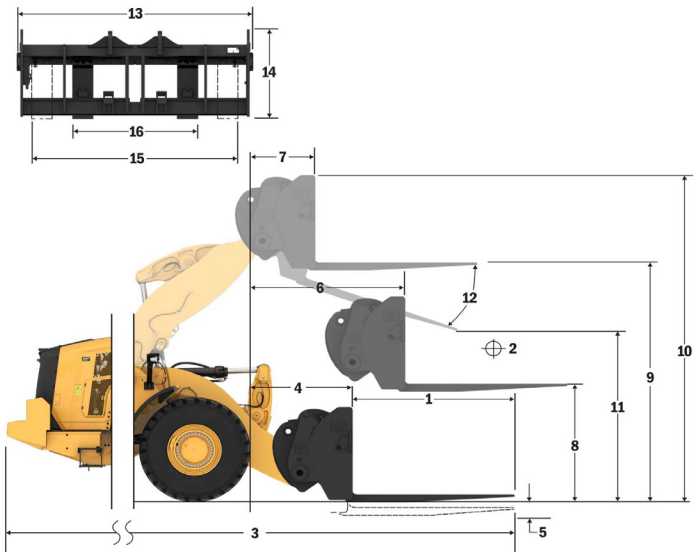
1	Tine Length	mm in	2134 84.0
2	Load Center	mm in	1067 42.0
	Static Tipping Load - Straight (Forks Level)	kg lbs	15636 34462
	Static Tipping Load - Articulated (Forks Level)	kg lbs	13545 29853
	Rated Load (SAE J1197 - 50% FTSTL)	kg lbs	6773 14927
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	kg lbs	8127 17912
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	kg lbs	10508 23160
3	Maximum Overall Length	mm in	10692 420.9
4	Reach with Forks at Ground Level	mm in	1141 44.9
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	mm in	-65 -2.5
6	Reach with Arms Horizontal and Forks Level	mm in	1797 70.7
7	Reach with Fork at Maximum Height	mm in	870 34.2
8	Ground to Top of Tine with Arms Horizontal and Fork Level	mm in	2135 84.0
9	Ground to Top of Tine at Maximum Height and Fork Level	mm in	4403 173.4
10	Overall Height of Fork at Full Lift (top of carriage to ground)	mm in	5443 214.3
11	Clearance at Full Lift and Max Dump	mm in	2359 92.9
12	Max Discharge Angle from Horizontal	deg	51
13	Overall Carriage Width	mm in	2833 111.5
14	Overall Carriage Height	mm in	1130 44.5
15	Outside Tine Width (max spread)	mm in	2483 97.8
16	Outside Tine Width (min spread)	mm in	590 23.2
	Tine Width (single tine)	mm in	180.0 7.1
	Tine Thickness	mm in	90.0 3.5
	Tine Capacity	kg lbs	12700 27991
	Operating Weight	kg lbs	30273 66721

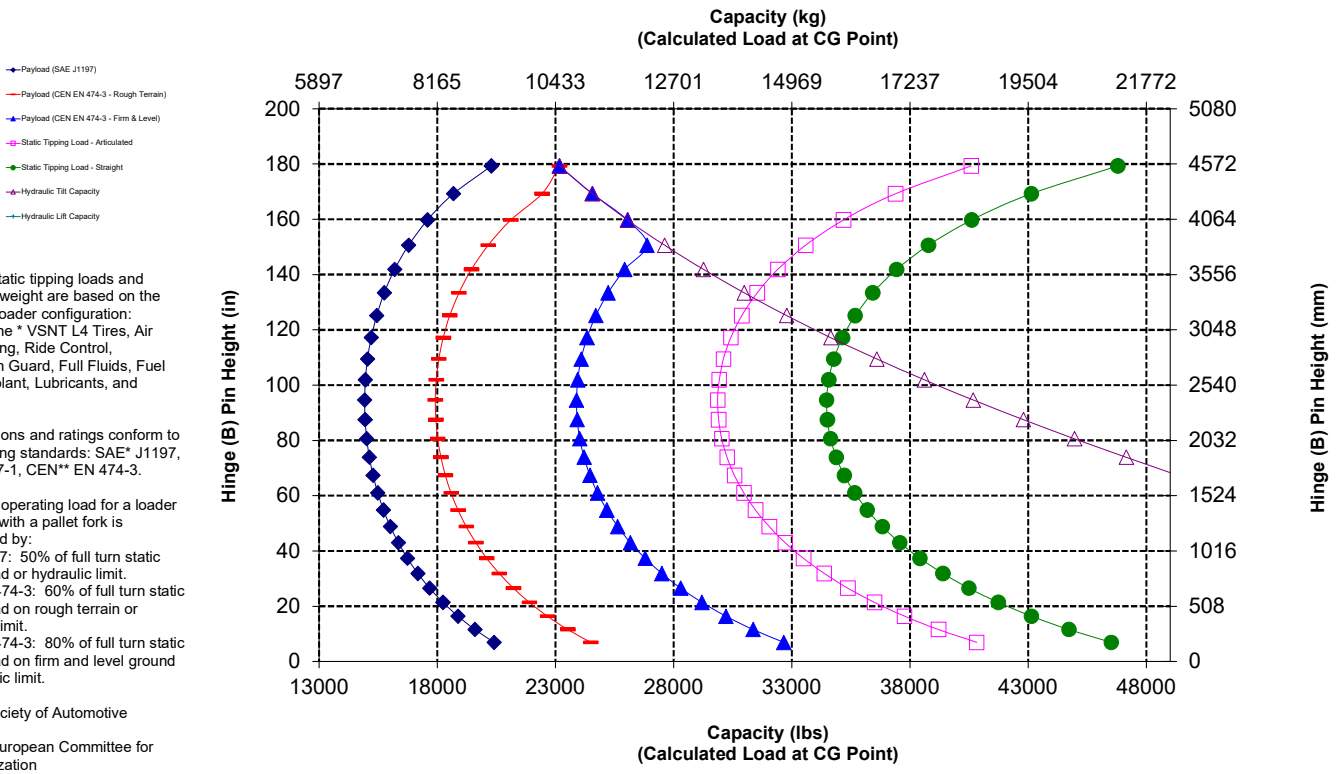
*Negative values indicate below grade

980 AGG QC

Construction Fork, FUSION	108" Carriage	84" Tine
	520-7968	520-7986

*Build 14A
*Parallel Z-Bar Linkage
*150mm HE Tilt Cylinders, for use with FUSION only





NOTE: Static tipping loads and operating weight are based on the following loader configuration: Bridgestone * VSNT L4 Tires, Air Conditioning, Ride Control, Powertrain Guard, Full Fluids, Fuel Tank, Coolant, Lubricants, and Operator.

Specifications and ratings conform to the following standards: SAE* J1197, ISO 14397-1, CEN** EN 474-3.

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CEN EN 474-3: 60% of full turn static tipping load on rough terrain or hydraulic limit.
CEN EN 474-3: 80% of full turn static tipping load on firm and level ground or hydraulic limit.

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**CEN - European Committee for Standardization

Fork Specifications

Fork Specifications

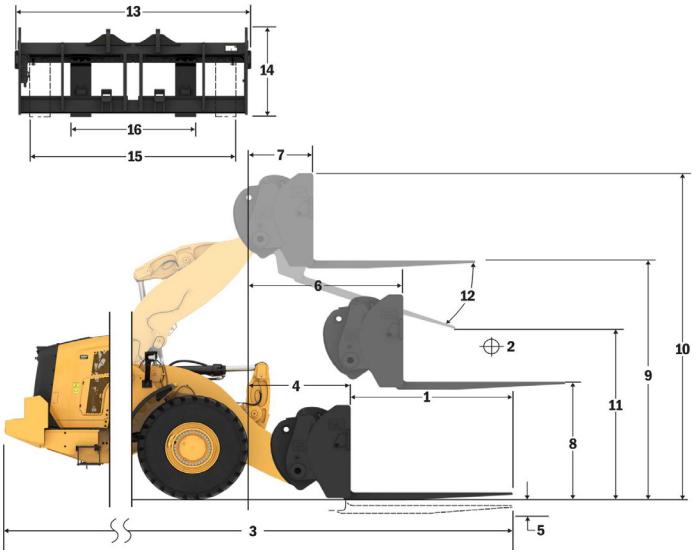
1	Tine Length	mm in	2438 96.0
2	Load Center	mm in	1219 48.0
	Static Tipping Load - Straight (Forks Level)	kg lbs	14976 33007
	Static Tipping Load - Articulated (Forks Level)	kg lbs	12965 28574
	Rated Load (SAE J1197 - 50% FTSTL)	kg lbs	6482 14287
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	kg lbs	7779 17144
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	kg lbs	9491 20919
3	Maximum Overall Length	mm in	10996 432.9
4	Reach with Forks at Ground Level	mm in	1141 44.9
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	mm in	-65 -2.5
6	Reach with Arms Horizontal and Forks Level	mm in	1797 70.7
7	Reach with Fork at Maximum Height	mm in	870 34.2
8	Ground to Top of Tine with Arms Horizontal and Fork Level	mm in	2135 84.0
9	Ground to Top of Tine at Maximum Height and Fork Level	mm in	4403 173.4
10	Overall Height of Fork at Full Lift (top of carriage to ground)	mm in	5443 214.3
11	Clearance at Full Lift and Max Dump	mm in	2122 83.5
12	Max Discharge Angle from Horizontal	deg	51
13	Overall Carriage Width	mm in	2833 111.5
14	Overall Carriage Height	mm in	1130 44.5
15	Outside Tine Width (max spread)	mm in	2483 97.8
16	Outside Tine Width (min spread)	mm in	590 23.2
	Tine Width (single tine)	mm in	180.0 7.1
	Tine Thickness	mm in	90.0 3.5
	Tine Capacity	kg lbs	11300 24905
	Operating Weight	kg lbs	30336 66860

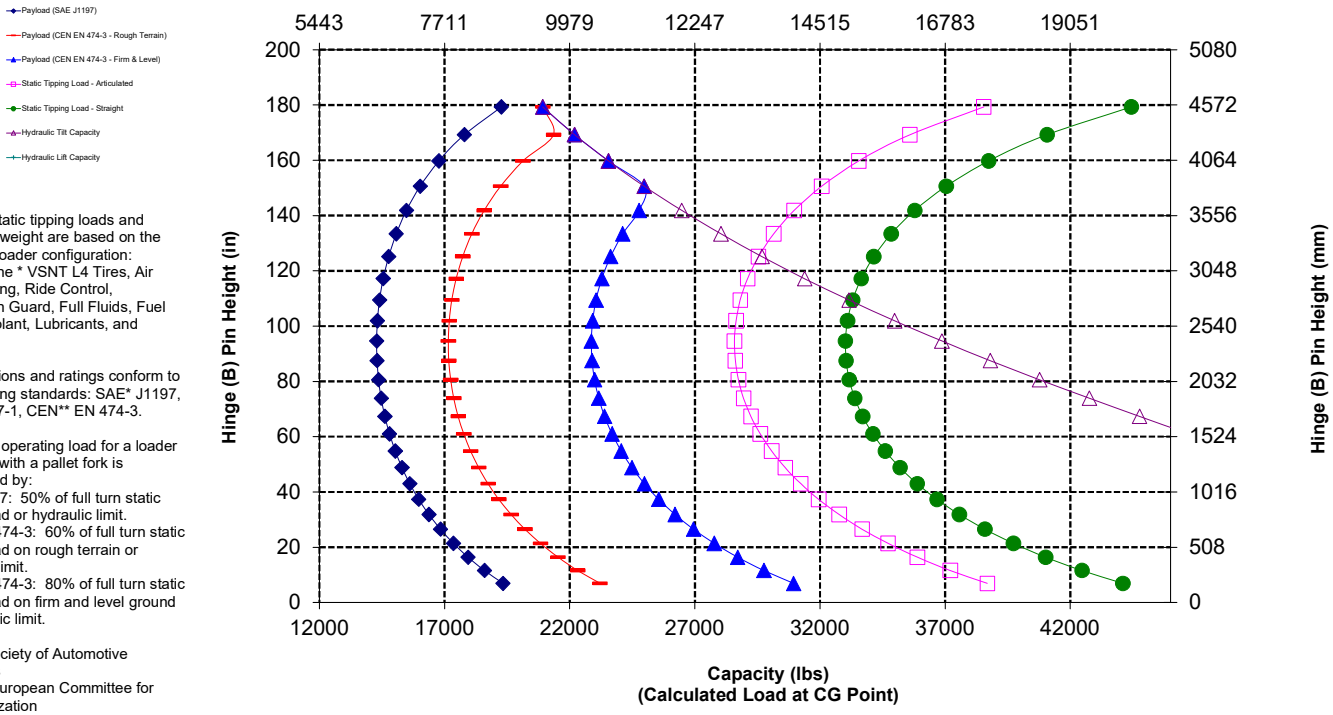
*Negative values indicate below grade

980 AGG QC

Construction Fork, FUSION	108" Carriage	96" Tine
	520-7968	520-7981

*Build 14A
*Parallel Z-Bar Linkage
*150mm HE Tilt Cylinders, for use with FUSION only





NOTE: Static tipping loads and operating weight are based on the following loader configuration: Bridgestone * VSNT L4 Tires, Air Conditioning, Ride Control, Powertrain Guard, Full Fluids, Fuel Tank, Coolant, Lubricants, and Operator.

Specifications and ratings conform to the following standards: SAE* J1197, ISO 14397-1, CEN** EN 474-3.

The rated operating load for a loader equipped with a pallet fork is determined by:
SAE J1197: 50% of full turn static tipping load or hydraulic limit.
CEN EN 474-3: 60% of full turn static tipping load on rough terrain or hydraulic limit.
CEN EN 474-3: 80% of full turn static tipping load on firm and level ground or hydraulic limit.

*SAE - Society of Automotive Engineers
**CEN - European Committee for Standardization

980 XE Wheel Loader Specifications

Fork Specifications

Fork Specifications

1	Tine Length	mm in	1829 72.0
2	Load Center	mm in	914 36.0
	Static Tipping Load - Straight (Forks Level)	kg lbs	16020 35307
	Static Tipping Load - Articulated (Forks Level)	kg lbs	13843 30511
	Rated Load (SAE J1197 - 50% FTSTL)	kg lbs	6922 15255
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	kg lbs	8306 18307
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	kg lbs	11075 24409
3	Maximum Overall Length	mm in	10408 409.8
4	Reach with Forks at Ground Level	mm in	1162 45.8
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	mm in	-99 -3.9
6	Reach with Arms Horizontal and Forks Level	mm in	1796 70.7
7	Reach with Fork at Maximum Height	mm in	869 34.2
8	Ground to Top of Tine with Arms Horizontal and Fork Level	mm in	2095 82.5
9	Ground to Top of Tine at Maximum Height and Fork Level	mm in	4364 171.8
10	Overall Height of Fork at Full Lift (top of carriage to ground)	mm in	5407 212.9
11	Clearance at Full Lift and Max Dump	mm in	2498 98.3
12	Max Discharge Angle from Horizontal	deg	55
13	Overall Carriage Width	mm in	2821 111.1
14	Overall Carriage Height	mm in	1129 44.4
15	Outside Tine Width (max spread)	mm in	2627 103.4
16	Outside Tine Width (min spread)	mm in	747 29.4
	Tine Width (single tine)	mm in	250.0 9.8
	Tine Thickness	mm in	85.0 3.3
	Tine Capacity	kg lbs	18700 41215
	Operating Weight	kg lbs	30649 67550

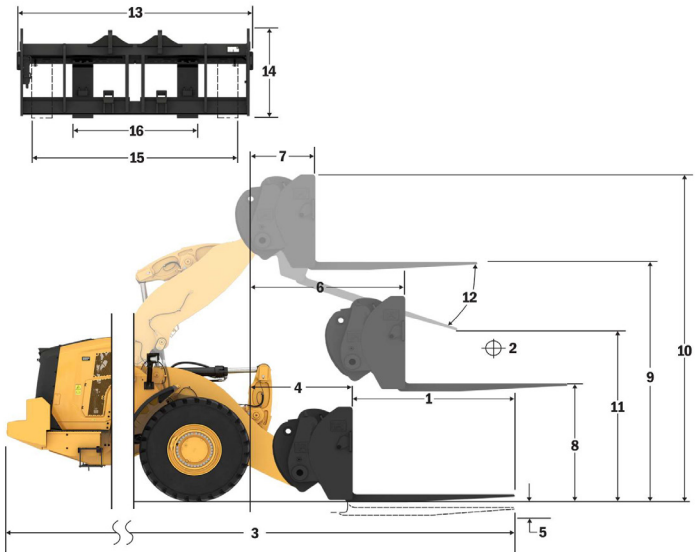
*Negative values indicate below grade

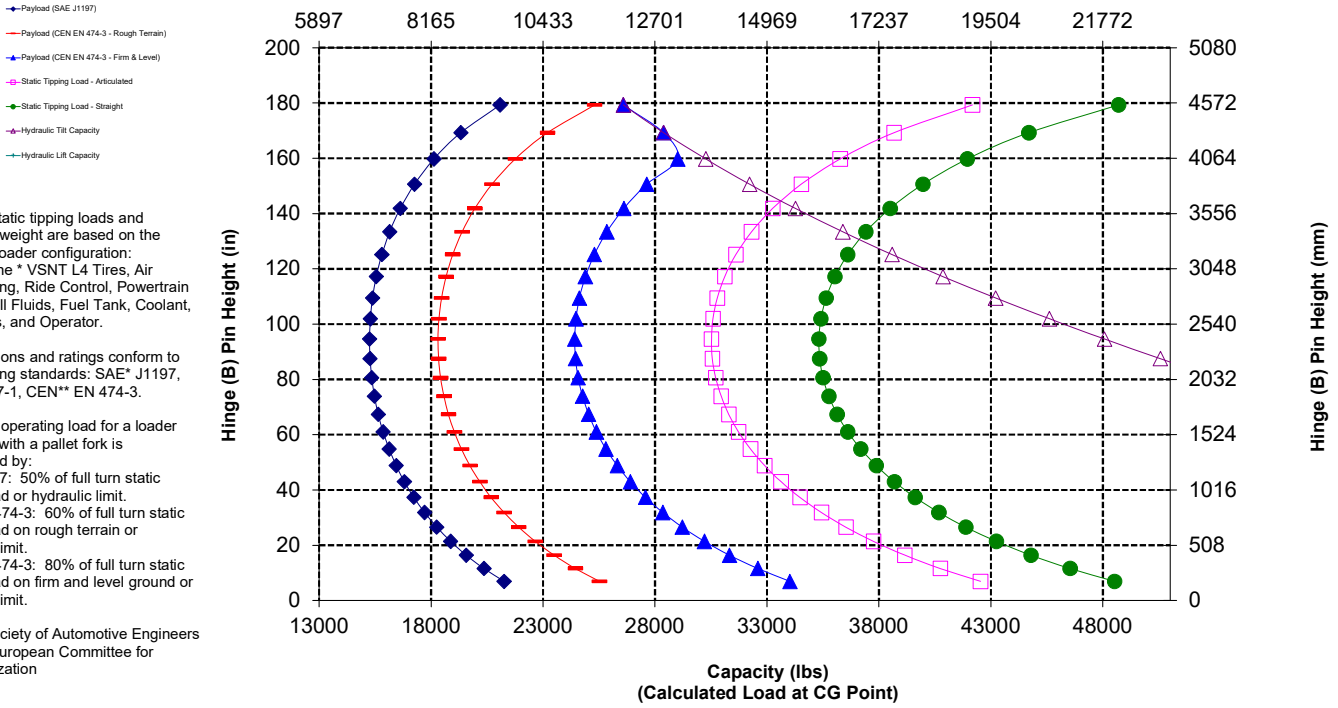
980 XE AGG QC

Construction Fork, HD, FUSION

2x 150 mm HE Tilt Cylinders

108" Carriage	72" Tine
523-4199	523-4200





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CEN EN 474-3: 80% of full turn static tipping load on firm and level ground or hydraulic limit.

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**CEN - European Committee for Standardization

Fork Specifications

Fork Specifications

1	Tine Length	mm in	2134 84.0
2	Load Center	mm in	1067 42.0
	Static Tipping Load - Straight (Forks Level)	kg lbs	15281 33678
	Static Tipping Load - Articulated (Forks Level)	kg lbs	13191 29073
	Rated Load (SAE J1197 - 50% FTSTL)	kg lbs	6595 14536
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	kg lbs	7915 17444
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	kg lbs	10553 23258
3	Maximum Overall Length	mm in	10717 421.9
4	Reach with Forks at Ground Level	mm in	1166 45.9
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	mm in	-99 -3.9
6	Reach with Arms Horizontal and Forks Level	mm in	1796 70.7
7	Reach with Fork at Maximum Height	mm in	869 34.2
8	Ground to Top of Tine with Arms Horizontal and Fork Level	mm in	2100 82.7
9	Ground to Top of Tine at Maximum Height and Fork Level	mm in	4369 172.0
10	Overall Height of Fork at Full Lift (top of carriage to ground)	mm in	5407 212.9
11	Clearance at Full Lift and Max Dump	mm in	2247 88.5
12	Max Discharge Angle from Horizontal	deg	55
13	Overall Carriage Width	mm in	2821 111.1
14	Overall Carriage Height	mm in	1129 44.4
15	Outside Tine Width (max spread)	mm in	2627 103.4
16	Outside Tine Width (min spread)	mm in	747 29.4
	Tine Width (single tine)	mm in	250.0 9.8
	Tine Thickness	mm in	90.0 3.5
	Tine Capacity	kg lbs	17729 39075
	Operating Weight	kg lbs	30751 67775

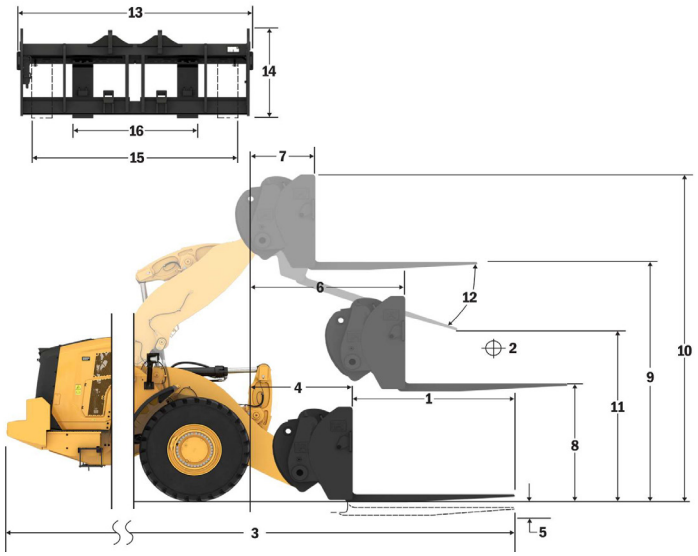
*Negative values indicate below grade

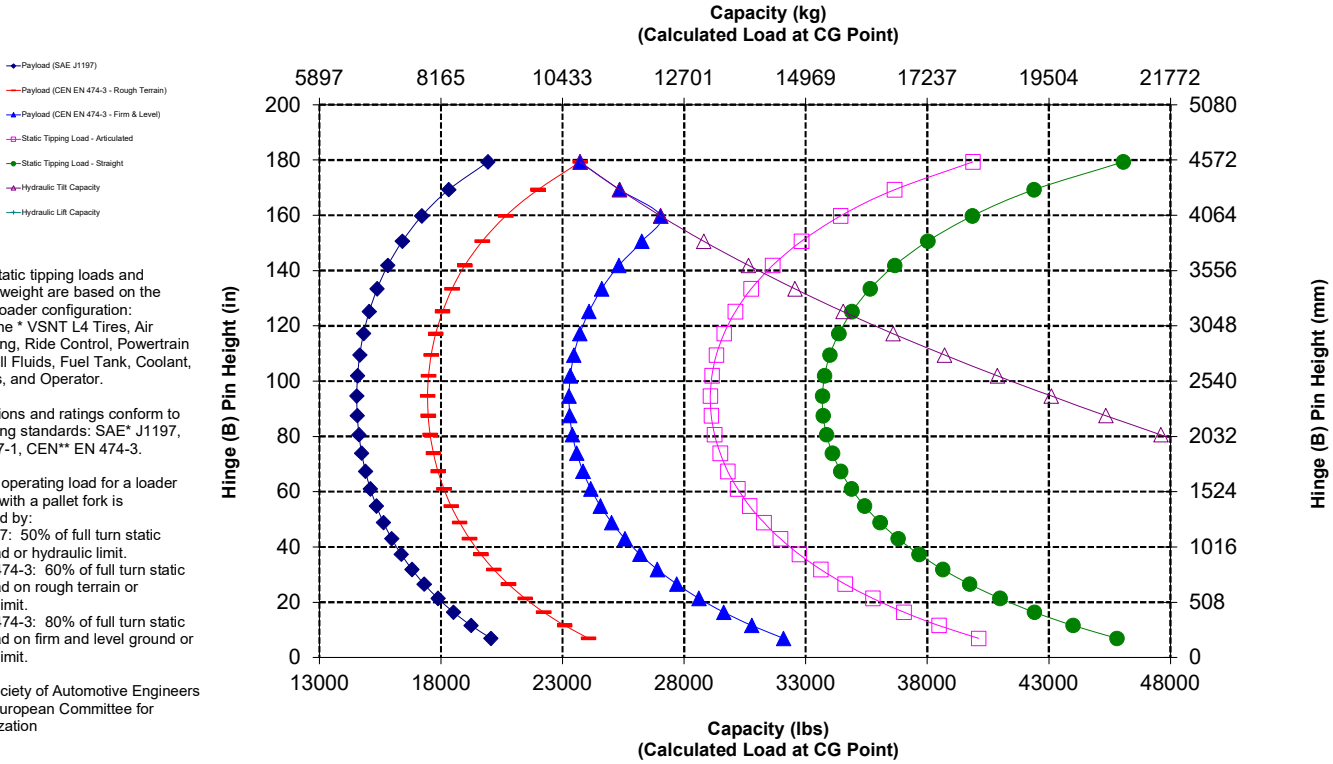
980 XE AGG QC

Construction Fork, HD, FUSION

2x 150 mm HE Tilt Cylinders

108" Carriage	84" Tine
523-4199	523-4201





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980 XE Wheel Loader Specifications

Fork Specifications

Fork Specifications

1	Tine Length	mm in	2438 96.0
2	Load Center	mm in	1219 48.0
	Static Tipping Load - Straight (Forks Level)	kg lbs	14537 32039
	Static Tipping Load - Articulated (Forks Level)	kg lbs	12528 27612
	Rated Load (SAE J1197 - 50% FTSTL)	kg lbs	6264 13806
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	kg lbs	7517 16567
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	kg lbs	9628 21221
3	Maximum Overall Length	mm in	11025 434.1
4	Reach with Forks at Ground Level	mm in	1170 46.1
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	mm in	-98 -3.8
6	Reach with Arms Horizontal and Forks Level	mm in	1801 70.9
7	Reach with Fork at Maximum Height	mm in	874 34.4
8	Ground to Top of Tine with Arms Horizontal and Fork Level	mm in	2102 82.7
9	Ground to Top of Tine at Maximum Height and Fork Level	mm in	4370 172.1
10	Overall Height of Fork at Full Lift (top of carriage to ground)	mm in	5407 212.9
11	Clearance at Full Lift and Max Dump	mm in	1994 78.5
12	Max Discharge Angle from Horizontal	deg	55
13	Overall Carriage Width	mm in	2821 111.1
14	Overall Carriage Height	mm in	1127 44.4
15	Outside Tine Width (max spread)	mm in	2629 103.5
16	Outside Tine Width (min spread)	mm in	747 29.4
	Tine Width (single tine)	mm in	250.0 9.8
	Tine Thickness	mm in	90.0 3.5
	Tine Capacity	kg lbs	15750 34713
	Operating Weight	kg lbs	30902 68108

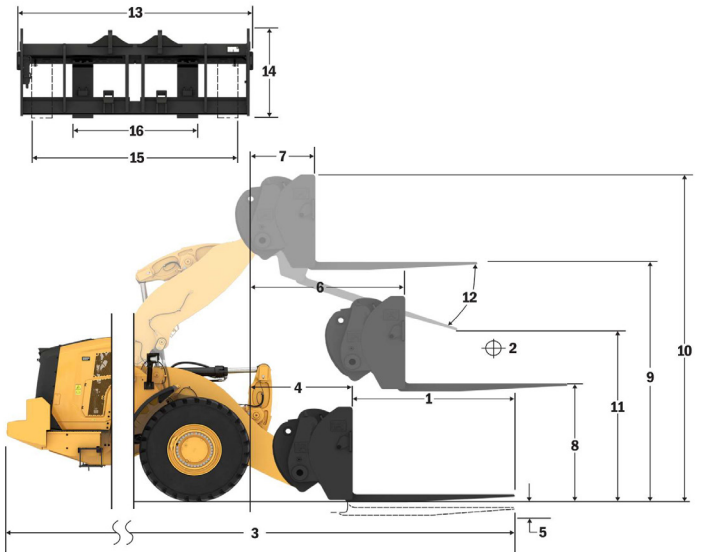
*Negative values indicate below grade

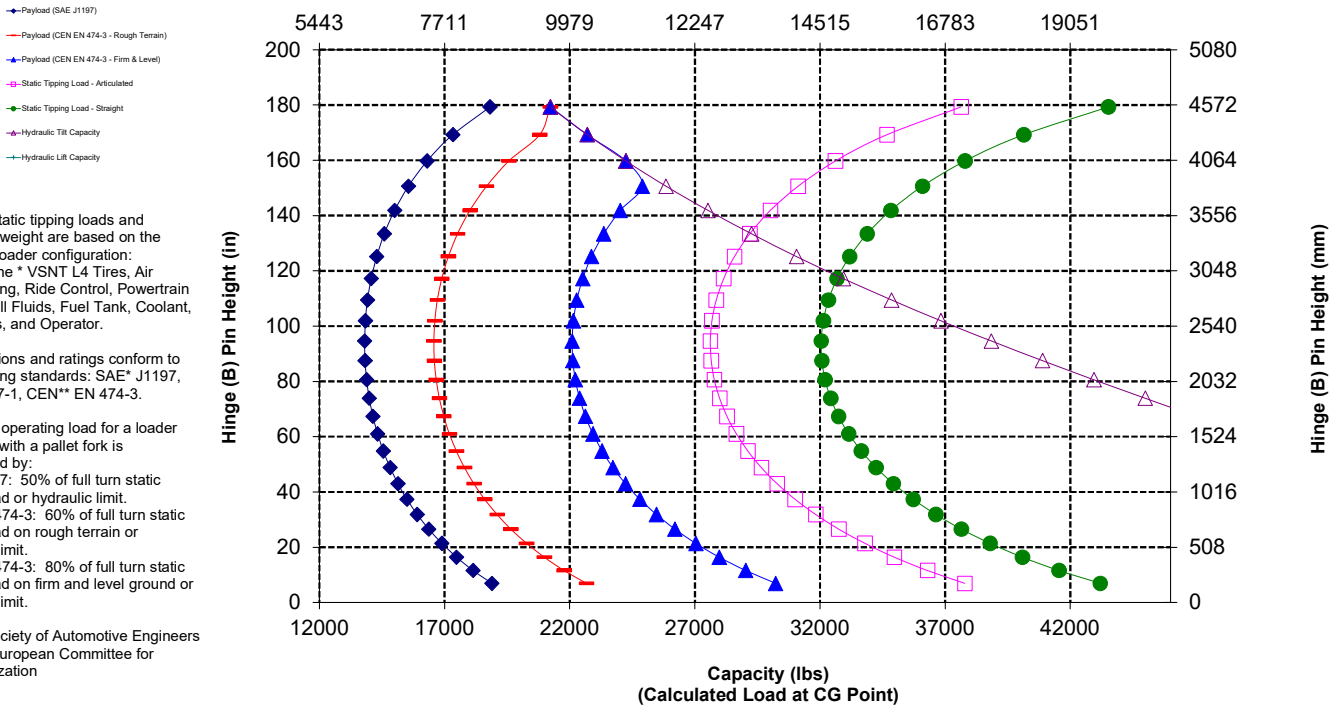
980 XE AGG QC

Construction Fork, HD, FUSION

2x 150 mm HE Tilt Cylinders

108" Carriage	96" Tine
523-4199	523-4202





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**CEN - European Committee for Standardization

Standard and Optional Equipment

Standard and optional equipment may vary. Consult your Cat dealer for details.

	Standard	Optional
OPERATOR ENVIRONMENT		
Cab, pressurized, sound suppression	✓	
Door, remote opening system	✓	
EH implement controls, parking brake	✓	
Footrest		✓
Steering, joystick	✓	
Implement joystick (2V, 3V only)		✓
Seat belt, monitored	✓	
Entertainment radio (FM, AM, USB, Bluetooth®)		✓
Entertainment radio (DAB+)		✓
CB radio ready		✓
Seat, suede/cloth, air suspension, heated	✓	
Seat, leather/cloth, air suspension, heated/cooled		✓
Touchscreen display	✓	
Keypad, programmable buttons	✓	
Mirrors, heated	✓	
Air conditioner, heater, defroster (auto temp, fan)	✓	
Sun visor, front, retractable	✓	
Sun visor, rear, retractable	✓	
Windows, front, safety laminated rounded glass	✓	
Windows, front, heavy-duty, or full guards		✓
ON-BOARD TECHNOLOGIES		
Autodig with Auto Set Tires	✓	
Operator ID & machine security	✓	
Application Profiles	✓	
Job Aids	✓	
Controls Help and eOMM*	✓	
Cat Payload Scale	✓	
Cat Advanced Payload		✓
Cat Payload for Trade****		✓
Cat Payload Printer with E-ticket		✓
Key Features Inform	✓	
Bucket Carry Display Widget	✓	
Remote Flash	✓	

	Standard	Optional
HYDRAULICS		
Implement system, electro-hydraulic with variable displacement piston pump	✓	
Steering system, load sensing with dedicated variable displacement piston pump	✓	
Ride control, dual accumulators	✓	
3rd auxiliary function with ride control		✓
Oil sampling valves, Cat XT™ hoses	✓	
Quick coupler control		✓
POWERTRAIN		
Cat C13 engine	✓	
Electric fuel priming pump	✓	
Fuel-water separator and secondary fuel filter	✓	
Engine, air precleaner	✓	
Turbine, air precleaner		✓
Radiator, high debris		✓
Cooling fan, reversible		✓
Axles, open differentials	✓	
Axles, limited slip differential(s)		✓
Axles, ecology drains	✓	
Axles, AOC ready, extreme temperature seals		✓
Axles, oil cooler		✓
Transmission, continuous variable	✓	
Rimpull control	✓	
Throttle lock mode	✓	
Hill and speed hold on grade	✓	
Service brakes, hydraulic, fully enclosed wet disc, wear indicators	✓	
Park brake, caliper on front axles, spring applied-pressure released	✓	
ELECTRICAL		
Starting and charging system, 24V	✓	
Starter, electric, heavy-duty	✓	
Cold start, 120V or 240V		✓
Lights: halogen, 4 work lights, 2 rearview lights	✓	
Lights: roading with turn signals	✓	
Lights: LED		✓

(continued on next page)

* Not available in all languages
** Standard where mandated
*** Not Compatible with roading arrangements
**** Available in Europe, Türkiye, Australia, and New Zealand. Country certifications vary. Contact your Cat dealer for more information.

Standard and Optional Equipment *(continued)*

Standard and optional equipment may vary. Consult your Cat dealer for details.

	Standard	Optional
MONITORING SYSTEM		
Front dash with analog gauges, LCD display, and warning lights	✓	
Primary touchscreen monitor (Cat Payload, quad screens, machine settings & messages)	✓	
Tire Pressure Monitor		✓
Maintenance Reminders	✓	
LINKAGE		
Standard lift, Z-bar	✓	
High lift, Z-bar		✓
Kickouts: lift and tilt	✓	
ADDITIONAL EQUIPMENT		
Cat Autolube system		✓
Fenders, roading		✓
Guards: powertrain, crankcase, cab, cylinders, rear		✓
Biodegradable hydraulic oil		✓
High-speed oil change system		✓
Fast fill fuel tank		✓
Toolbox		✓

	Standard	Optional
SAFETY		
Cat Detect rear radar system		✓
Dedicated rearview screen		✓
Visibility: mirrors, rearview camera	✓	
Multiview (360°) vision system		✓
Window cleaning platform, front	✓	
4-Point seat belt retractor		✓
Reversing strobe lights***		✓
Seat belt monitoring beacon		✓
Secondary steering system, electrical**		✓
Wheel chocks		✓
Warning beacon		✓
Collision Warning System with Motion Inhibit and People Detection		✓
Remote control		✓
SPECIAL CONFIGURATIONS		
Aggregate handler		✓
Waste and scrap		✓
Forestry		✓

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** Standard where mandated
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980 XE Environmental Declaration

The following information applies to the machine at the time of final manufacture as configured for sale in the regions covered in this document. The content of this declaration is valid as of the date issued; however, content related to machine features and specifications are subject to change without notice. For additional information, please see the machine's Operation and Maintenance Manual.

For more information on sustainability in action and our progress, please visit https://www.caterpillar.com/en/company/sustainability.

Engine

- Cat engine meets U.S. EPA Tier 4 Final, EU Stage V, Korea Stage V, and Japan 2014 emission standards.
- The net power advertised is the power available at the flywheel when the engine is equipped with fan, alternator, air cleaner and aftertreatment.
- Cat diesel engines are required to use ULSD (ultra-low sulfur diesel fuel with 15 ppm of sulfur or less) or ULSD blended with the following lower-carbon intensity fuels** up to:
  - 20% biodiesel FAME (fatty acid methyl ester)*
  - 100% renewable diesel, HVO (hydrotreated vegetable oil) and GTL (gas-to-liquid) fuels

  Refer to guidelines for successful application. Please consult your Cat dealer or "Caterpillar Machine Fluids Recommendations" (SEBU6250) for details.

* Engines with no aftertreatment devices can use higher blends, up to 100% biodiesel.

** Tailpipe greenhouse gas emissions from lower-carbon intensity fuels are essentially the same as traditional fuels.

Air Conditioning System

- The air conditioning system on this machine contains the fluorinated greenhouse gas refrigerant R134a (Global Warming Potential = 1430). The system contains 1.6 kg (3.52 lb) of refrigerant which has a CO2 equivalent of 2.288 metric tonnes (2.522 tons).

Paint

- Based on best available knowledge, the maximum allowable concentration, measured in parts per million (PPM), of the following heavy metals in paint are:
  – Barium < 0.01%
  – Cadmium < 0.01%
  – Chromium < 0.01%
  – Lead < 0.01%

Sound Performance

Operator Sound Pressure Level (ISO 6396:2008)	70 dB(A)
Exterior Sound Power Level (ISO 6395:2008)	110 dB(A)
Operator Sound Pressure Level (ISO 6396:2008)*	70 dB(A)
Exterior Sound Power Level (ISO 6395:2008)**	107 dB(A)

*Including countries that adopt the EU and UK Directives

**EU Noise Directive 2000/14/EC and UK Noise Regulation 2001 No. 1701

Oils and Fluids

- Caterpillar factory fills with ethylene glycol coolants. Cat Diesel Engine Antifreeze/Coolant (DEAC) and Cat Extended Life Coolant (ELC) can be recycled. Consult your Cat dealer for more information.
- Cat Bio HYDO Advanced is an EU Ecolabel approved biodegradable hydraulic oil.
- Additional fluids are likely to be present, please consult the Operations and Maintenance Manual or the Application and Installation guide for complete fluid recommendations and maintenance intervals.

Features and Technology

- The following features and technology may contribute to fuel savings and/or carbon reduction. Features may vary. Consult your Cat dealer for details.
  – Deep integration of continuously variable transmission, engine, hydraulic, and cooling systems
  – Automatic engine idle shutdown system reduces idle hours
  – Automatic Cat regeneration system, Cat Clean Emissions Module (CEM) with Diesel Particulate Filter (DPF), and Diesel Exhaust Fluid (DEF) tank and pump
  – Autodig with Auto Set Tires provides consistent high bucket fill factors
  – Payload technologies help ensure jobsite efficiency
  – Extended maintenance intervals reduce fluid and filter consumption

Recycling

- The materials included in machines are categorized as below with approximate weight percentage. Because of variations of product configurations, the following values in the table may vary.

Material Type	Weight Percentage
Steel	66.66%
Iron	15.80%
Nonferrous Metal	2.18%
Mixed Metal	0.40%
Mixed-Metal and Nonmetal	0.53%
Plastic	1.06%
Rubber	8.59%
Mixed Nonmetallic	0.02%
Fluid	1.67%
Other	3.10%
Uncategorized	0.00%
Total	100%

- A machine with higher recyclability rate will ensure more efficient usage of valuable natural resources and enhance End-of-Life value of the product. According to ISO 16714 (Earthmoving machinery – Recyclability and recoverability – Terminology and calculation method), recyclability rate is defined as percentage by mass (mass fraction in percent) of the new machine potentially able to be recycled, reused, or both.

  All parts in the bill of material are first evaluated by component type based on a list of components defined by the ISO 16714 and Japan CEMA (Construction Equipment Manufacturers Association) standards. Remaining parts are further evaluated for recyclability based on material type.

  Because of variations of product configurations, the following value in the table may vary.

Recyclability – 98%

980 XE

Waste & Scrap Handler

Waste and scrap handler models feature guarding and reinforcement necessary for work in transfer stations, recycling depots, scrap yards, and demolition sites.

Superior Fuel Efficiency

- Up to 35% better fuel efficiency compared to previous Cat model.
- Deep system integration of the Cat continuously variable transmission, engine, hydraulic, and cooling systems results in significantly increased performance and fuel efficiency.
- Eliminating the torque converter allows the capability to control engine rpm and machine speed independently, resulting in efficient digging, fine control, and easy operation.
- Lower rated engine speed reduces component wear and operating noise.
- Power dense engine burns less fuel by providing power and torque when needed.
- Optional high lift linkage provides additional dump clearance.
- Optional 3rd valve hydraulics for work tools with a top clamp.
- Optional variable pitch fan and high debris cooling cores keep the cores free from debris.

Achieve Greater Productivity

- Continuously variable transmission delivers smooth, fast acceleration and speed on grade.
- Machine maneuvering on grade is made easy with speed-hold and anti-rollback.
- Integrated continuously variable transmission provides maximum, steady power at optimal speeds.
- Lower rated engine speed reduces component wear and operating noise.
- Power dense engine burns less fuel by providing power and torque when needed.

Durability

- Waste and scrap handler package adds additional steel guards all around the machine to protect your investment and keep debris out of the implement valve and engine compartments.
- Heavy-duty steel cable lower steps stand up to the harshest of conditions
- Heavy-duty axles designed to handle extreme applications.
- Full-flow hydraulic filtration system with additional kidney-loop filtration improves hydraulic system reliability and component life.

Proven Reliability

- Cat C13 engine offers high power density with a combination of proven electronics, fuel, and air systems.
- Thorough component design and machine validation processes result in unmatched reliability and uptime.

Safety Features

- Rearview camera enhances visibility behind the machine, helping you work safely and confidently.
- Optional multiview (360˚) vision system helps the operator monitor the surroundings of the machine at all times.
- Optional Cat Detect radar technology enhances awareness by monitoring the working environment and alerts operators to hazards.
- Cab access with wide door, optional remote door opening, and stair-like steps add solid stability.
- Floor-to-ceiling windshield, large mirrors with integrated spot mirrors, and rearview camera provide industry leading all-around visibility.
- Optional access light and under-hood service light system to provide illuminated access to the machine and daily checks even in the dark.

Reduced Maintenance Time and Costs

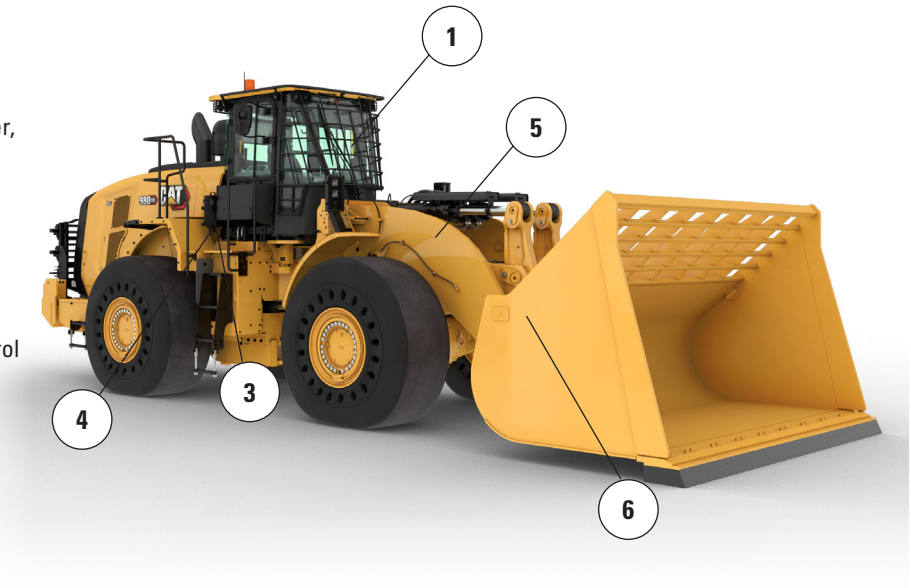
- Extended fluid and filter change intervals reduce maintenance costs by up to 25%.
- Remote Troubleshoot can connect the machine to the dealer service department to help diagnose problems quickly so you can get back to work.
- Remote Flash works around your schedule to ensure your machine's software is up to date for optimal performance.

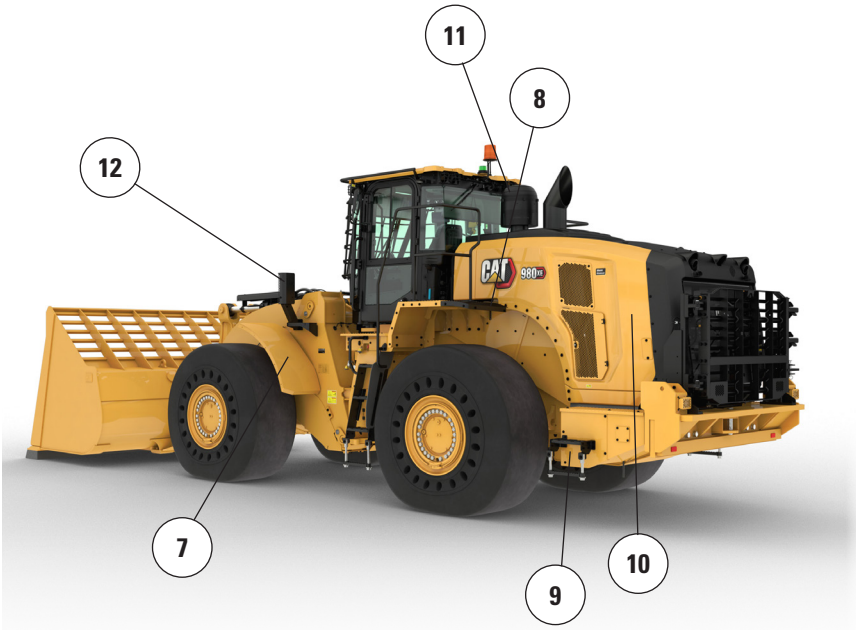
Work in Comfort in the All New Cab

- Carbon cab air filter reduces cabin odors.
- Optional powered cabin precleaner filters the incoming air and pressurize the cab.
- Next-generation, easily adjustable seat and suspension for improved operator comfort. It comes in three trim levels and can be equipped with a 4-point harness.
- New in-cab dashboard and high-resolution touch display(s) are easy to use, intuitive, and user friendly.
- Sound suppression, seals, and viscous cab mounts decrease noise and vibration for a quieter work environment.

980 XE XE Waste & Scrap Handler Features

1. Optional window guarding to provide impact resistance to the glass
2. Added steel guards include crankcase, powertrain, front frame, hitch, steering cylinder, service center, cab, platform, implement valve cover, and tilt cylinder
3. Carbon cab air filter removes harsh odors
4. Optional powered cab precleaner helps to improve cab filter life and keeps the cab pressurized
5. Optional 3rd valve hydraulics available to control a work tool with a top clamp
6. Large line of waste and scrap work tools





7. Narrow front steel fenders help to keep the windshield clean and are set inboard of the outer edge of the tire for added protection
8. Optional rear guard protects the rear grill and cooling package from impact
9. Heavy-duty steel cable lower steps stand up to the harshest conditions
10. Optional variable pitch fan and high debris cooling cores help to keep the cooling package clean
11. Optional turbine engine air precleaner with a trash screen option help to extend engine air filter life
12. Front lights are guarded and positioned close to the frame for added protection

980 XE Waste & Scrap Handler Specifications

Tire Options

Tire Brand	Brawler	Michelin	Michelin	Michelin
Tire Size	**29.5-25**	**29.5-25**	**29.5-25**	**29.5-25**
Tread Type	**Solid**	**L–4**	**L–5**	**L–5**
Tread Pattern	**Traction/Smooth**	**XLDD1**	**XLDD2**	**XMINED2**
Width over Tires – Maximum (empty)*	3216 mm 10'7"	3258 mm 10'9"	3256 mm 10'9"	3275 mm 10'9"
Width over Tires – Maximum (loaded)*	3230 mm 10'8"	3302 mm 10'10"	3296 mm 10'10"	3294 mm 10'10"
Change in Vertical Dimensions (average of front and rear)		–16 mm –0.6"	–15 mm –0.6"	–4 mm –0.2"
Change in Horizontal Reach		–31 mm –1.2"	–28 mm –1.1"	–28 mm –1.1"
Change in Clearance Circle to Outside of Tires		72 mm 2.8"	67 mm 2.6"	64 mm 2.5"
Change in Clearance Circle to Inside of Tires		–72 mm -2.8"	–67 mm –2.6"	–64 mm –2.5"
Change in Operating Weight (without Ballast)		–5928 kg –13,071 lb	–5564 kg –12,269 lb	–5240 kg –11,554 lb
Change in Static Tipping Load – Straight		–4508 kg –9,941 lb	–4231 kg –9,330 lb	–3985 kg –8,787 lb
Change in Static Tipping Load – Articulated		–3924 kg –8,653 lb	–3683 kg –8,122 lb	–3469 kg –7,649 lb
Rear Axle Oscillation Angle	±8 degrees	±13 degrees	±13 degrees	±13 degrees
Maximum Single-wheel Rise and Fall	340 mm 1'1"	549 mm 1'10"	549 mm 1'10"	549 mm 1'10"

*Width over tire bulge and includes tire growth.

Tire Brand	Bridgestone	Bridgestone	Bridgestone	Bridgestone
Tire Size	**29.5R25**	**29.5R25**	**29.5R25**	**29.5R25**
Tread Type	**L–3**	**L–4**	**L–5**	**L–5**
Tread Pattern	**VJT**	**VSNT**	**VSDT**	**VSDL**
Width over Tires – Maximum (empty)*	3263 mm 10'9"	3240 mm 10'8"	3272 mm 10'9"	3250 mm 10'8"
Width over Tires – Maximum (loaded)*	3289 mm 10'10"	3260 mm 10'9"	3301 mm 10'10"	3275 mm 10'9"
Change in Vertical Dimensions (average of front and rear)	–32 mm –1.3"	–9 mm –0.4"	–5 mm –0.2"	11 mm 0.4"
Change in Horizontal Reach	–10 mm –0.4"	–30 mm –1.2"	–30 mm –1.2"	–40 mm –1.6"
Change in Clearance Circle to Outside of Tires	59 mm 2.3"	30 mm 1.2"	72 mm 2.8"	45 mm 1.8"
Change in Clearance Circle to Inside of Tires	–59 mm –2.3"	–30 mm –1.2"	–72 mm –2.8"	–45 mm –1.8"
Change in Operating Weight (without Ballast)	–6456 kg –14,235 lb	–5772 kg –12,727 lb	–5272 kg –11,625 lb	–5064 kg –11,166 lb
Change in Static Tipping Load – Straight	–4910 kg –10,826 lb	–4390 kg –9,679 lb	–4009 kg –8,841 lb	–3851 kg –8,492 lb
Change in Static Tipping Load – Articulated	–4274 kg –9,424 lb	–3821 kg –8,425 lb	–3490 kg –7,696 lb	–3352 kg –7,392 lb
Rear Axle Oscillation Angle	±13 degrees	±13 degrees	±13 degrees	±13 degrees
Maximum Single-wheel Rise and Fall	549 mm 1'10"	549 mm 1'10"	549 mm 1'10"	549 mm 1'10"

*Width over tire bulge and includes tire growth.

Tire Options

Tire Brand	Maxam	Maxam	Maxam	Michelin
Tire Size	**29.5-25**	**29.5-25**	**29.5-25**	**29.5-25**
Tread Type	**L–3**	**L–4**	**L–5**	**L–3**
Tread Pattern	**MS302**	**MS405DX**	**MS503**	**XHA2**
Width over Tires – Maximum (empty)*	3270 mm 10'9"	3256 mm 10'9"	3268 mm 10'9"	3270 mm 10'9"
Width over Tires – Maximum (loaded)*	3290 mm 10'10"	3282 mm 10'10"	3304 mm 10'11"	3296 mm 10'10"
Change in Vertical Dimensions (average of front and rear)	–28 mm –1.1"	–42 mm –1.7"	–15 mm -0.6"	–49 mm –1.9"
Change in Horizontal Reach	–25 mm –1"	–12 mm -0.5"	–33 mm –1.3"	–8 mm –0.3"
Change in Clearance Circle to Outside of Tires	60 mm 2.4"	52 mm 2.1"	75 mm 2.9"	66 mm 2.6"
Change in Clearance Circle to Inside of Tires	–60 mm –2.4"	–52 mm –2.1"	–75 mm –2.9"	–66 mm –2.6"
Change in Operating Weight (without Ballast)	–6300 kg –13,892 lb	–6160 kg –13,583 lb	–5520 kg –12,172 lb	–6472 kg –14,271 lb
Change in Static Tipping Load – Straight	–4791 kg –10,564 lb	–4685 kg –10,330 lb	–4198 kg –9,257 lb	–4922 kg –10,853 lb
Change in Static Tipping Load – Articulated	–4171 kg –9,196 lb	–4078 kg –8,992 lb	–3654 kg –8,058 lb	–4284 kg –9,447 lb
Rear Axle Oscillation Angle	±13 degrees	±13 degrees	±13 degrees	±13 degrees
Maximum Single-wheel Rise and Fall	549 mm 1'10"	549 mm 1'10"	549 mm 1'10"	549 mm 1'10"

*Width over tire bulge and includes tire growth.

Tire Brand	Michelin	Bridgestone	Bridgestone	Maxam
Tire Size	**875/65R29**	**875/65R29**	**875/65R29**	**875/65R29**
Tread Type	**L–3**	**L–3**	**L–4**	**L–4**
Tread Pattern	**XHA2**	**VTS**	**VLTS**	**MS405DX**
Width over Tires – Maximum (empty)*	3373 mm 11'1"	3341 mm 11'0"	3344 mm 11'0"	3357 mm 11'1"
Width over Tires – Maximum (loaded)*	3384 mm 11'2"	3359 mm 11'1"	3366 mm 11'1"	3382 mm 11'2"
Change in Vertical Dimensions (average of front and rear)	–34 mm –1.4"	–28 mm –1.1"	–26 mm –1"	–43 mm –1.7"
Change in Horizontal Reach	–13 mm –0.5"	–10 mm –0.4"	–12 mm –0.5"	–12 mm 152 mm
Change in Clearance Circle to Outside of Tires	155 mm 6.1"	129 mm 5.1"	136 mm 5.4"	6" –152 mm
Change in Clearance Circle to Inside of Tires	–155 mm –6.1"	–129 mm –5.1"	–136 mm –5.4"	-6" –5464 kg
Change in Operating Weight (without Ballast)	–5812 kg –12,815 lb	–5532 kg –12,198 lb	–5456 kg –12,030 lb	–12,048 lb –4155 kg
Change in Static Tipping Load – Straight	–4420 kg –9,746 lb	–4207 kg –9,277 lb	–4149 kg –9,149 lb	–9,163 lb –3617 kg
Change in Static Tipping Load – Articulated	–3848 kg –8,484 lb	–3662 kg –8,075 lb	–3612 kg –7,964 lb	–7,976 lb 8,425 lb
Rear Axle Oscillation Angle	±8 degrees	±8 degrees	±8 degrees	±8 degrees
Maximum Single-wheel Rise and Fall	340 mm 1'1"	340 mm 1'1"	340 mm 1'1"	340 mm 1'1"

*Width over tire bulge and includes tire growth.

980 XE Waste & Scrap Handler Specifications

Operating Specifications – Buckets

Linkage		Standard Linkage	
Bucket Type		**General Purpose – Pin-On**	**General Purpose – Hook-On – Fusion**
Edge Type		**Bolt-On Cutting Edges**	**Bolt-On Cutting Edges**
Capacity – Rated	m^3	5.40	5.40
	yd^3	7.00	7.00
Capacity – Rated at 110% Fill Factor	m^3	5.90	5.90
	yd^3	7.75	7.75
Width	mm	3447	3447
	ft/in	11'3"	11'3"
16† Dump Clearance at Maximum Lift and 45° Discharge	mm	3292	3187
	ft/in	10'9"	10'5"
17† Reach at Maximum Lift and 45° Discharge	mm	1510	1618
	ft/in	4'11"	5'3"
Reach at Level Lift Arm and Bucket Level	mm	2994	3146
	ft/in	9'9"	10'3"
A† Digging Depth	mm	84	89
	in	3.3"	3.5"
12† Overall Length	mm	9613	9769
	ft/in	31'7"	32'1"
B† Overall Height with Bucket at Maximum Lift	mm	6432	6536
	ft/in	21'2"	21'6"
Loader Clearance Circle Radius with Bucket at Carry Position	mm	7614	7697
	ft/in	25'0"	25'4"
Static Tipping Load, Straight (With tire deflection)	kg	N/A	N/A
	lb	N/A	N/A
Static Tipping Load, Straight (No tire deflection)	kg	29 260	27 802
	lb	64,490	61,276
Static Tipping Load, Articulated (With tire deflection)	kg	N/A	N/A
	lb	N/A	N/A
Static Tipping Load, Articulated (No tire deflection)	kg	25 415	24 063
	lb	56,015	53,036
Breakout Force (§)	kN	226	204
	lbf	50,946	45,849
Operating Weight*	kg	36 885	37 567
	lb	81,294	82,796

* Static tipping loads and operating weights shown are based on a machine configuration with Brawler 29.5X25 Smooth solid tires, full fluids, operator, cab precleaner, fabricated counterweight with rear guard, flat window glass with front guard, industrial package, ride control, standard starting, narrow fenders, turbine engine precleaner, Product Link, front limited slip differentials, power train guard, standard steering, industrial sound suppression and variable pitch fan.

† Illustration shown with Dimension charts.

(§) Measured 100 mm (4") behind tip of cutting edge with bucket hinge pin as pivot point in accordance with ISO 14397-2:2007.

(With tire deflection) Full compliance to ISO 14397-1:2007 Sections 1 thru 6, which requires 2% verification between calculations and testing.

(No tire deflection) Compliance to ISO 14397-1:2007 Sections 1 thru 5.

Other buckets are available and offerings vary by region. Consult your local Cat dealer for further details.

Operating Specifications – Buckets

Linkage		Standard Linkage	
Bucket Type		**General Purpose – Pin-On**	**General Purpose – Hook-On – Fusion**
Edge Type		**Bolt-On Cutting Edges**	**Bolt-On Cutting Edges**
Capacity – Rated	m^3	5.70	5.70
	yd^3	7.50	7.50
Capacity – Rated at 110% Fill Factor	m^3	6.30	6.30
	yd^3	8.25	8.25
Width	mm	3481	3481
	ft/in	11'5"	11'5"
16† Dump Clearance at Maximum Lift and 45° Discharge	mm	3233	3123
	ft/in	10'7"	10'2"
17† Reach at Maximum Lift and 45° Discharge	mm	1567	1668
	ft/in	5'1"	5'5"
Reach at Level Lift Arm and Bucket Level	mm	3079	3228
	ft/in	10'1"	10'7"
A† Digging Depth	mm	72	89
	in	2.8"	3.5"
12† Overall Length	mm	9689	9851
	ft/in	31'10"	32'4"
B† Overall Height with Bucket at Maximum Lift	mm	6505	6604
	ft/in	21'5"	21'8"
Loader Clearance Circle Radius with Bucket at Carry Position	mm	7648	7739
	ft/in	25'2"	25'5"
Static Tipping Load, Straight (With tire deflection)	kg	N/A	N/A
	lb	N/A	N/A
Static Tipping Load, Straight (No tire deflection)	kg	28 232	27 540
	lb	62,225	60,698
Static Tipping Load, Articulated (With tire deflection)	kg	N/A	N/A
	lb	N/A	N/A
Static Tipping Load, Articulated (No tire deflection)	kg	24 387	23 817
	lb	53,749	52,494
Breakout Force (§)	kN	210	193
	lbf	47,341	43,442
Operating Weight*	kg	37 820	37 689
	lb	83,354	83,067

* Static tipping loads and operating weights shown are based on a machine configuration with Brawler 29.5X25 Smooth solid tires, full fluids, operator, cab precleaner, fabricated counterweight with rear guard, flat window glass with front guard, industrial package, ride control, standard starting, narrow fenders, turbine engine precleaner, Product Link, front limited slip differentials, power train guard, standard steering, industrial sound suppression and variable pitch fan.

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980 XE Waste & Scrap Handler Specifications

Operating Specifications – Buckets

Linkage		Standard Linkage	
Bucket Type		**General Purpose – Pin-On**	
Edge Type		**Bolt-On Cutting Edges**	**Bolt-On Cutting Edges**
Capacity – Rated	m^3	6.00	6.40
	yd^3	7.75	8.25
Capacity – Rated at 110% Fill Factor	m^3	6.60	7.00
	yd^3	8.75	9.25
Width	mm	3481	3413
	ft/in	11'5"	11'2"
16† Dump Clearance at Maximum Lift and 45° Discharge	mm	3205	3150
	ft/in	10'6"	10'4"
17† Reach at Maximum Lift and 45° Discharge	mm	1580	1633
	ft/in	5'2"	5'4"
Reach at Level Lift Arm and Bucket Level	mm	3107	3185
	ft/in	10'2"	10'5"
A† Digging Depth	mm	84	84
	in	3.3"	3.3"
12† Overall Length	mm	9726	980 XE4
	ft/in	31'11"	32'2"
B† Overall Height with Bucket at Maximum Lift	mm	6528	6608
	ft/in	21'5"	21'9"
Loader Clearance Circle Radius with Bucket at Carry Position	mm	7660	7651
	ft/in	25'2"	25'2"
Static Tipping Load, Straight (With tire deflection)	kg	N/A	N/A
	lb	N/A	N/A
Static Tipping Load, Straight (No tire deflection)	kg	28 965	28 752
	lb	63,840	63,370
Static Tipping Load, Articulated (With tire deflection)	kg	N/A	N/A
	lb	N/A	N/A
Static Tipping Load, Articulated (No tire deflection)	kg	25 132	24 933
	lb	55,392	54,954
Breakout Force (§)	kN	209	199
	lbf	47,095	44,724
Operating Weight*	kg	37 060	37 145
	lb	81,679	81,867

* Static tipping loads and operating weights shown are based on a machine configuration with Brawler 29.5X25 Smooth solid tires, full fluids, operator, cab precleaner, fabricated counterweight with rear guard, flat window glass with front guard, industrial package, ride control, standard starting, narrow fenders, turbine engine precleaner, Product Link, front limited slip differentials, power train guard, standard steering, industrial sound suppression and variable pitch fan.

† Illustration shown with Dimension charts.

(§) Measured 100 mm (4") behind tip of cutting edge with bucket hinge pin as pivot point in accordance with ISO 14397-2:2007.

(With tire deflection) Full compliance to ISO 14397-1:2007 Sections 1 thru 6, which requires 2% verification between calculations and testing.

(No tire deflection) Compliance to ISO 14397-1:2007 Sections 1 thru 5.

Other buckets are available and offerings vary by region. Consult your local Cat dealer for further details.

Operating Specifications – Buckets

Linkage		Standard Linkage	
Bucket Type		**Waste, Dozing – Pin-On**	**Waste, Load and Carry – Pin-On**
Edge Type		**Bolt-On Cutting Edges**	**Rubber Edge**
Capacity – Rated	m^3	9.90	10.70
	yd^3	13.00	14.00
Capacity – Rated at 110% Fill Factor	m^3	10.90	11.80
	yd^3	14.25	15.50
Width	mm	3882	3882
	ft/in	12'8"	12'8"
16† Dump Clearance at Maximum Lift and 45° Discharge	mm	3072	2760
	ft/in	10'0"	9'0"
17† Reach at Maximum Lift and 45° Discharge	mm	1490	1650
	ft/in	4'10"	5'4"
Reach at Level Lift Arm and Bucket Level	mm	3153	3487
	ft/in	10'4"	11'5"
A† Digging Depth	mm	110	70
	in	4.3"	2.7"
12† Overall Length	mm	9793	10 207
	ft/in	32'2"	33'6"
B† Overall Height with Bucket at Maximum Lift	mm	7135	6962
	ft/in	23'5"	22'11"
Loader Clearance Circle Radius with Bucket at Carry Position	mm	7865	7996
	ft/in	25'10"	26'3"
Static Tipping Load, Straight (With tire deflection)	kg	N/A	N/A
	lb	N/A	N/A
Static Tipping Load, Straight (No tire deflection)	kg	30 342	27 596
	lb	66,875	60,822
Static Tipping Load, Articulated (With tire deflection)	kg	N/A	N/A
	lb	N/A	N/A
Static Tipping Load, Articulated (No tire deflection)	kg	26 227	23 791
	lb	57,804	52,437
Breakout Force (§)	kN	204	170
	lbf	46,014	38,403
Operating Weight*	kg	38 062	38 214
	lb	83,889	84,223

* Static tipping loads and operating weights shown are based on a machine configuration with Brawler 29.5X25 Smooth solid tires, full fluids, operator, cab precleaner, fabricated counterweight with rear guard, flat window glass with front guard, industrial package, ride control, standard starting, narrow fenders, turbine engine precleaner, Product Link, front limited slip differentials, power train guard, standard steering, industrial sound suppression and variable pitch fan.

† Illustration shown with Dimension charts.

(§) Measured 100 mm (4") behind tip of cutting edge with bucket hinge pin as pivot point in accordance with ISO 14397-2:2007.

(With tire deflection) Full compliance to ISO 14397-1:2007 Sections 1 thru 6, which requires 2% verification between calculations and testing.

(No tire deflection) Compliance to ISO 14397-1:2007 Sections 1 thru 5.

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980 XE Waste & Scrap Handler Specifications

Operating Specifications – Buckets

Linkage		High Lift Linkage	
Bucket Type		**General Purpose – Pin-On**	**General Purpose – Hook-On – Fusion**
Edge Type		**Bolt-On Cutting Edges**	**Bolt-On Cutting Edges**
Capacity – Rated	m^3	5.40	5.40
	yd^3	7.00	7.00
Capacity – Rated at 110% Fill Factor	m^3	5.90	5.90
	yd^3	7.75	7.75
Width	mm	3447	3447
	ft/in	11'3"	11'3"
16† Dump Clearance at Maximum Lift and 45° Discharge	mm	3513	3408
	ft/in	11'6"	11'2"
17† Reach at Maximum Lift and 45° Discharge	mm	1513	1621
	ft/in	4'11"	5'3"
Reach at Level Lift Arm and Bucket Level	mm	3154	3306
	ft/in	10'4"	10'10"
A† Digging Depth	mm	82	87
	in	3.2"	3.4"
12† Overall Length	mm	9815	9971
	ft/in	32'3"	32'9"
B† Overall Height with Bucket at Maximum Lift	mm	6653	6757
	ft/in	21'10"	22'2"
Loader Clearance Circle Radius with Bucket at Carry Position	mm	8115	8202
	ft/in	26'8"	26'11"
Static Tipping Load, Straight (With tire deflection)	kg	N/A	N/A
	lb	N/A	N/A
Static Tipping Load, Straight (No tire deflection)	kg	26 713	25 350
	lb	58,877	55,872
Static Tipping Load, Articulated (With tire deflection)	kg	N/A	N/A
	lb	N/A	N/A
Static Tipping Load, Articulated (No tire deflection)	kg	23 636	22 355
	lb	52,093	49,271
Breakout Force (§)	kN	230	207
	lbf	51,711	46,549
Operating Weight*	kg	37 019	37 700
	lb	81,589	83,091

* Static tipping loads and operating weights shown are based on a machine configuration with Brawler 29.5X25 Smooth solid tires, full fluids, operator, cab precleaner, fabricated counterweight with rear guard, flat window glass with front guard, industrial package, ride control, standard starting, narrow fenders, turbine engine precleaner, Product Link, front limited slip differentials, power train guard, standard steering, industrial sound suppression and variable pitch fan.

† Illustration shown with Dimension charts.

(§) Measured 100 mm (4") behind tip of cutting edge with bucket hinge pin as pivot point in accordance with ISO 14397-2:2007.

(With tire deflection) Full compliance to ISO 14397-1:2007 Sections 1 thru 6, which requires 2% verification between calculations and testing.

(No tire deflection) Compliance to ISO 14397-1:2007 Sections 1 thru 5.

Other buckets are available and offerings vary by region. Consult your local Cat dealer for further details.

Operating Specifications – Buckets

Linkage		High Lift Linkage	
Bucket Type		**General Purpose – Pin-On**	**General Purpose – Hook-On – Fusion**
Edge Type		**Bolt-On Cutting Edges**	**Bolt-On Cutting Edges**
Capacity – Rated	m^3	5.70	5.70
	yd^3	7.50	7.50
Capacity – Rated at 110% Fill Factor	m^3	6.30	6.30
	yd^3	8.25	8.25
Width	mm	3481	3481
	ft/in	11'5"	11'5"
16† Dump Clearance at Maximum Lift and 45° Discharge	mm	3454	3343
	ft/in	11'3"	10'11"
17† Reach at Maximum Lift and 45° Discharge	mm	1570	1671
	ft/in	5'1"	5'5"
Reach at Level Lift Arm and Bucket Level	mm	3239	3388
	ft/in	10'7"	11'1"
A† Digging Depth	mm	70	87
	in	2.7"	3.4"
12† Overall Length	mm	9891	10 053
	ft/in	32'6"	33'0"
B† Overall Height with Bucket at Maximum Lift	mm	6725	6824
	ft/in	22'1"	22'5"
Loader Clearance Circle Radius with Bucket at Carry Position	mm	8149	8243
	ft/in	26'9"	27'1"
Static Tipping Load, Straight (With tire deflection)	kg	N/A	N/A
	lb	N/A	N/A
Static Tipping Load, Straight (No tire deflection)	kg	25 683	25 097
	lb	56,606	55,315
Static Tipping Load, Articulated (With tire deflection)	kg	N/A	N/A
	lb	N/A	N/A
Static Tipping Load, Articulated (No tire deflection)	kg	22 606	22 115
	lb	49,825	48,742
Breakout Force (§)	kN	213	196
	lbf	48,058	44,110
Operating Weight*	kg	37 953	37 823
	lb	83,648	83,361

* Static tipping loads and operating weights shown are based on a machine configuration with Brawler 29.5X25 Smooth solid tires, full fluids, operator, cab precleaner, fabricated counterweight with rear guard, flat window glass with front guard, industrial package, ride control, standard starting, narrow fenders, turbine engine precleaner, Product Link, front limited slip differentials, power train guard, standard steering, industrial sound suppression and variable pitch fan.

† Illustration shown with Dimension charts.

(§) Measured 100 mm (4") behind tip of cutting edge with bucket hinge pin as pivot point in accordance with ISO 14397-2:2007.

(With tire deflection) Full compliance to ISO 14397-1:2007 Sections 1 thru 6, which requires 2% verification between calculations and testing.

(No tire deflection) Compliance to ISO 14397-1:2007 Sections 1 thru 5.

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980 XE Waste & Scrap Handler Specifications

Operating Specifications – Buckets

Linkage		High Lift Linkage	
Bucket Type		**General Purpose – Pin-On**	
Edge Type		**Bolt-On Cutting Edges**	**Bolt-On Cutting Edges**
Capacity – Rated	m^3	6.00	6.40
	yd^3	7.75	8.25
Capacity – Rated at 110% Fill Factor	m^3	6.60	7.00
	yd^3	8.75	9.25
Width	mm	3481	3413
	ft/in	11'5"	11'2"
16† Dump Clearance at Maximum Lift and 45° Discharge	mm	3426	3370
	ft/in	11'2"	11'0"
17† Reach at Maximum Lift and 45° Discharge	mm	1583	1636
	ft/in	5'2"	5'4"
Reach at Level Lift Arm and Bucket Level	mm	3267	3345
	ft/in	10'8"	10'11"
A† Digging Depth	mm	82	82
	in	3.2"	3.2"
12† Overall Length	mm	9928	10 006
	ft/in	32'7"	32'10"
B† Overall Height with Bucket at Maximum Lift	mm	6749	6829
	ft/in	22'2"	22'5"
Loader Clearance Circle Radius with Bucket at Carry Position	mm	8161	8152
	ft/in	26'10"	26'9"
Static Tipping Load, Straight (With tire deflection)	kg	N/A	N/A
	lb	N/A	N/A
Static Tipping Load, Straight (No tire deflection)	kg	26 420	26 213
	lb	58,231	57,775
Static Tipping Load, Articulated (With tire deflection)	kg	N/A	N/A
	lb	N/A	N/A
Static Tipping Load, Articulated (No tire deflection)	kg	23 353	23 158
	lb	51,471	51,041
Breakout Force (§)	kN	212	202
	lbf	47,808	45,405
Operating Weight*	kg	37 193	37 278
	lb	81,974	82,161

* Static tipping loads and operating weights shown are based on a machine configuration with Brawler 29.5X25 Smooth solid tires, full fluids, operator, cab precleaner, fabricated counterweight with rear guard, flat window glass with front guard, industrial package, ride control, standard starting, narrow fenders, turbine engine precleaner, Product Link, front limited slip differentials, power train guard, standard steering, industrial sound suppression and variable pitch fan.

† Illustration shown with Dimension charts.

(§) Measured 100 mm (4") behind tip of cutting edge with bucket hinge pin as pivot point in accordance with ISO 14397-2:2007.

(With tire deflection) Full compliance to ISO 14397-1:2007 Sections 1 thru 6, which requires 2% verification between calculations and testing.

(No tire deflection) Compliance to ISO 14397-1:2007 Sections 1 thru 5.

Other buckets are available and offerings vary by region. Consult your local Cat dealer for further details.

Operating Specifications – Buckets

Linkage		High Lift Linkage	
Bucket Type		**Waste, Dozing – Pin-On**	**Waste, Load and Carry – Pin-On**
Edge Type		**Bolt-On Cutting Edges**	**Rubber Edge**
Capacity – Rated	m^3	9.90	10.70
	yd^3	13.00	14.00
Capacity – Rated at 110% Fill Factor	m^3	10.90	11.80
	yd^3	14.25	15.50
Width	mm	3882	3882
	ft/in	12'8"	12'8"
16† Dump Clearance at Maximum Lift and 45° Discharge	mm	3292	2980
	ft/in	10'9"	9'9"
17† Reach at Maximum Lift and 45° Discharge	mm	1493	1653
	ft/in	4'10"	5'5"
Reach at Level Lift Arm and Bucket Level	mm	3313	3647
	ft/in	10'10"	11'11"
A† Digging Depth	mm	108	68
	in	4.2"	2.6"
12† Overall Length	mm	9993	10 402
	ft/in	32'10"	34'2"
B† Overall Height with Bucket at Maximum Lift	mm	7355	7183
	ft/in	24'2"	23'7"
Loader Clearance Circle Radius with Bucket at Carry Position	mm	8366	8494
	ft/in	27'6"	27'11"
Static Tipping Load, Straight (With tire deflection)	kg	N/A	N/A
	lb	N/A	N/A
Static Tipping Load, Straight (No tire deflection)	kg	27 373	25 011
	lb	60,331	55,124
Static Tipping Load, Articulated (With tire deflection)	kg	N/A	N/A
	lb	N/A	N/A
Static Tipping Load, Articulated (No tire deflection)	kg	24 107	21 973
	lb	53,132	48,430
Breakout Force (§)	kN	207	174
	lbf	46,725	39,103
Operating Weight*	kg	38 196	38 347
	lb	84,183	84,517

* Static tipping loads and operating weights shown are based on a machine configuration with Brawler 29.5X25 Smooth solid tires, full fluids, operator, cab precleaner, fabricated counterweight with rear guard, flat window glass with front guard, industrial package, ride control, standard starting, narrow fenders, turbine engine precleaner, Product Link, front limited slip differentials, power train guard, standard steering, industrial sound suppression and variable pitch fan.

† Illustration shown with Dimension charts.

(§) Measured 100 mm (4") behind tip of cutting edge with bucket hinge pin as pivot point in accordance with ISO 14397-2:2007.

(With tire deflection) Full compliance to ISO 14397-1:2007 Sections 1 thru 6, which requires 2% verification between calculations and testing.

(No tire deflection) Compliance to ISO 14397-1:2007 Sections 1 thru 5.

Other buckets are available and offerings vary by region. Consult your local Cat dealer for further details.

980 XE Waste & Scrap Handler Specifications

Fork Specifications

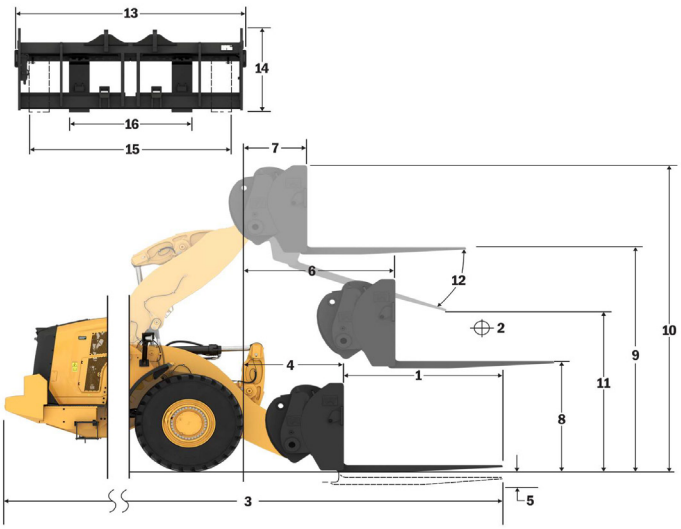
Fork Specifications

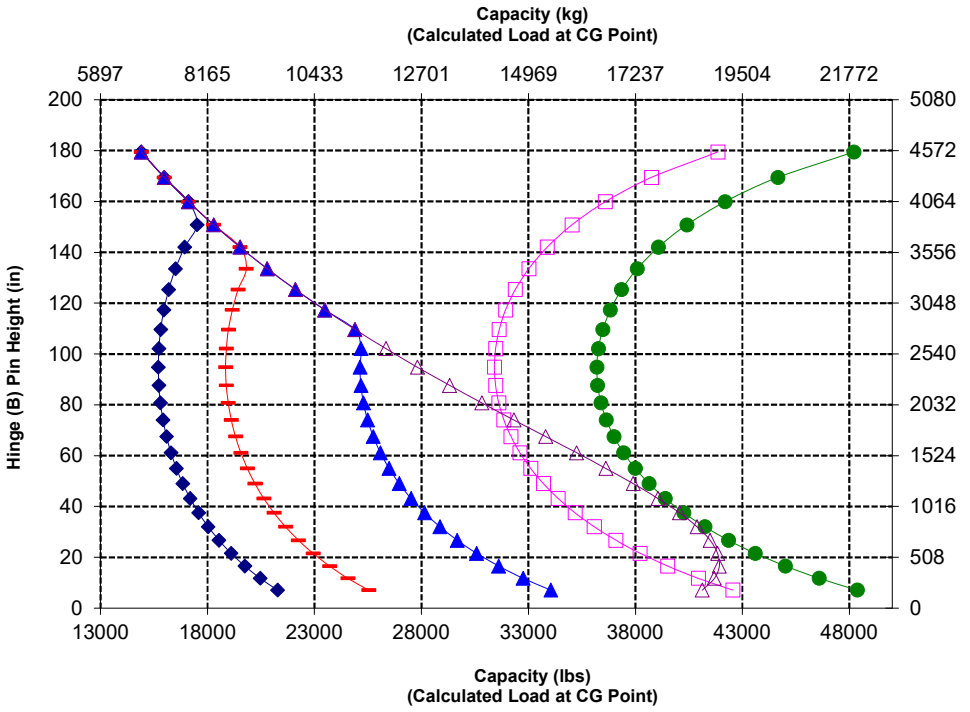
1	Tine Length	mm in	2438 96.0
2	Load Center	mm in	1219 48.0
	Static Tipping Load - Straight (Forks Level)	kg lbs	16418 36184
	Static Tipping Load - Articulated (Forks Level)	kg lbs	14249 31405
	Rated Load (SAE J1197 - 50% FTSTL)	kg lbs	6761 14902
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	kg lbs	6761 14902
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	kg lbs	6761 14902
3	Maximum Overall Length	mm in	11113 437.5
4	Reach with Forks at Ground Level	mm in	1345 53.0
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	mm in	-138 -5.5
6	Reach with Arms Horizontal and Forks Level	mm in	1870 73.6
7	Reach with Fork at Maximum Height	mm in	943 37.1
8	Ground to Top of Tine with Arms Horizontal and Fork Level	mm in	2174 85.6
9	Ground to Top of Tine at Maximum Height and Fork Level	mm in	4442 174.9
10	Overall Height of Fork at Full Lift (top of carriage to ground)	mm in	5814 228.9
11	Clearance at Full Lift and Max Dump	mm in	1871 73.7
12	Max Discharge Angle from Horizontal	deg	58
13	Overall Carriage Width	mm in	2751 108.3
14	Overall Carriage Height	mm in	1575 62.0
15	Outside Tine Width (max spread)	mm in	2671 105.1
16	Outside Tine Width (min spread)	mm in	849 33.4
	Tine Width (single tine)	mm in	88.9 3.5
	Tine Thickness	mm in	203.2 8.0
	Tine Capacity	kg lbs	11068 24393
	Operating Weight	kg lbs	36462 80363

*Negative values indicate below grade

980 IW STD

Pallet Fork, Pin-On — **96" Tine** **473-9104**





NOTE: Static tipping loads and operating weight are based on the following loader configuration: Brawler Smooth Solid Tires, Air Conditioning, Ride Control, Powertrain Guard, Full Fluids, Fuel Tank, Coolant, Lubricants, and Operator.

Specifications and ratings conform to the following standards: SAE* J1197, ISO 14397-1, CEN** EN 474-3.

The rated operating load for a loader equipped with a pallet fork is determined by:
SAE J1197: 50% of full turn static tipping load or hydraulic limit.
CEN EN 474-3: 60% of full turn static tipping load on rough terrain or hydraulic limit.
CEN EN 474-3: 80% of full turn static tipping load on firm and level ground or hydraulic limit.

*SAE - Society of Automotive Engineers
**CEN - European Committee for Standardization

WARNING: Do not exceed tine load capacity. Individual tine capacity is stamped on the side of each tine.

Fork Specifications

Fork Specifications

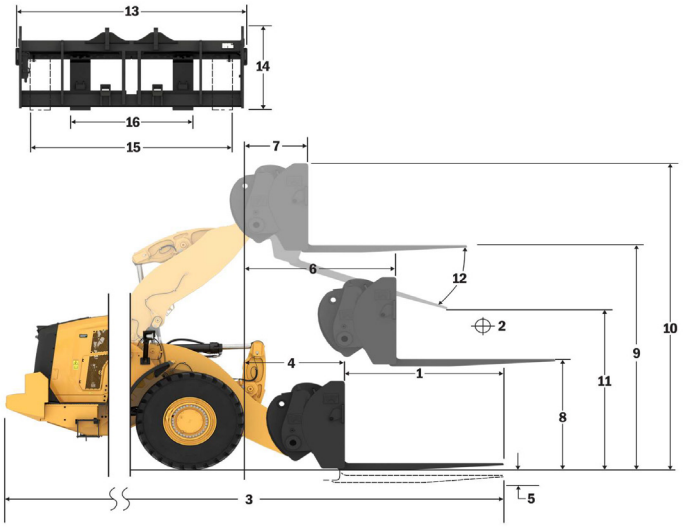
1	Tine Length	mm in	2438 96.0
2	Load Center	mm in	1219 48.0
	Static Tipping Load - Straight (Forks Level)	kg lbs	15574 34326
	Static Tipping Load - Articulated (Forks Level)	kg lbs	13783 30378
	Rated Load (SAE J1197 - 50% FTSTL)	kg lbs	6586 14515
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	kg lbs	6586 14515
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	kg lbs	6586 14515
3	Maximum Overall Length	mm in	11302 444.9
4	Reach with Forks at Ground Level	mm in	1534 60.4
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	mm in	-137 -5.4
6	Reach with Arms Horizontal and Forks Level	mm in	2030 79.9
7	Reach with Fork at Maximum Height	mm in	946 37.2
8	Ground to Top of Tine with Arms Horizontal and Fork Level	mm in	2174 85.6
9	Ground to Top of Tine at Maximum Height and Fork Level	mm in	4663 183.6
10	Overall Height of Fork at Full Lift (top of carriage to ground)	mm in	6035 237.6
11	Clearance at Full Lift and Max Dump	mm in	2334 91.9
12	Max Discharge Angle from Horizontal	deg	49
13	Overall Carriage Width	mm in	2751 108.3
14	Overall Carriage Height	mm in	1575 62.0
15	Outside Tine Width (max spread)	mm in	2671 105.1
16	Outside Tine Width (min spread)	mm in	849 33.4
	Tine Width (single tine)	mm in	88.9 3.5
	Tine Thickness	mm in	203.2 8.0
	Tine Capacity	kg lbs	11068 24393
	Operating Weight	kg lbs	36596 80657

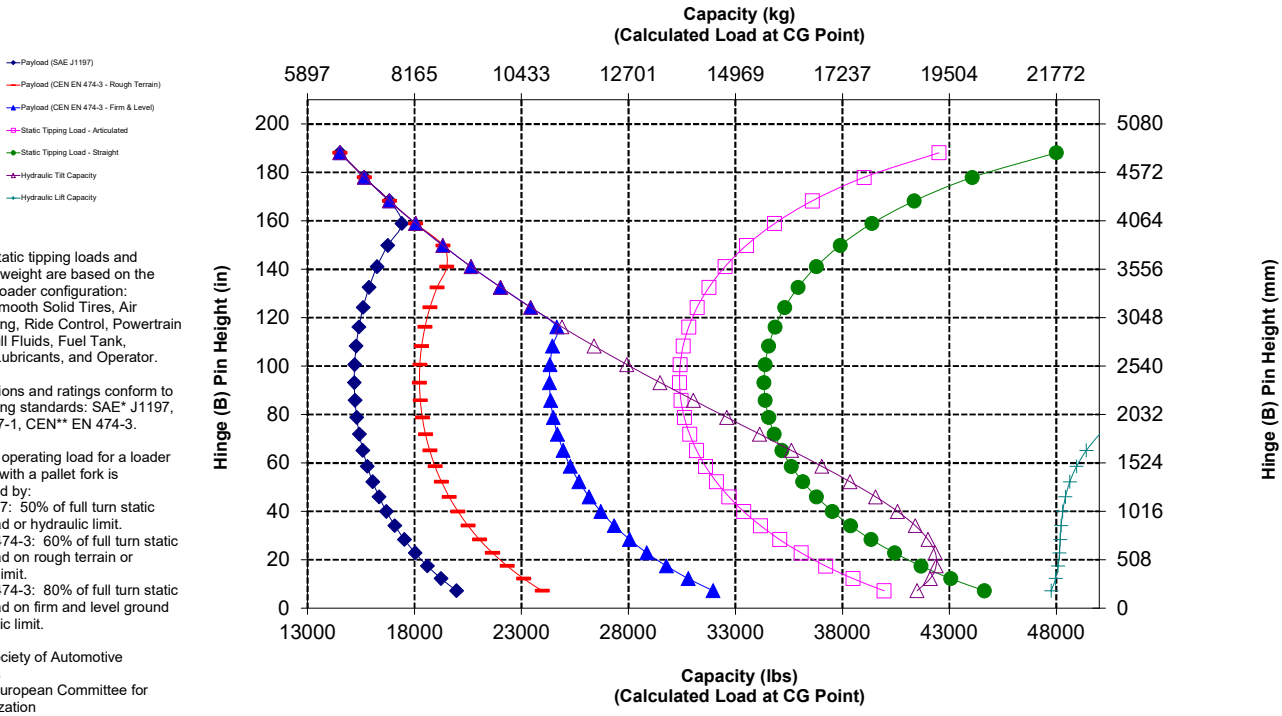
*Negative values indicate below grade

980 IW HL

Pallet Fork, Pin-On

96" Tine
473-9104





NOTE: Static tipping loads and operating weight are based on the following loader configuration: Brawler Smooth Solid Tires, Air Conditioning, Ride Control, Powertrain Guard, Full Fluids, Fuel Tank, Coolant, Lubricants, and Operator.

Specifications and ratings conform to the following standards: SAE* J1197, ISO 14397-1, CEN** EN 474-3.

The rated operating load for a loader equipped with a pallet fork is determined by:
SAE J1197: 50% of full turn static tipping load or hydraulic limit.
CEN EN 474-3: 60% of full turn static tipping load on rough terrain or hydraulic limit.
CEN EN 474-3: 80% of full turn static tipping load on firm and level ground or hydraulic limit.

*SAE - Society of Automotive Engineers
**CEN - European Committee for Standardization

WARNING: Do not exceed tine load capacity. Individual tine capacity is stamped on the side of each tine.

Fork Specifications

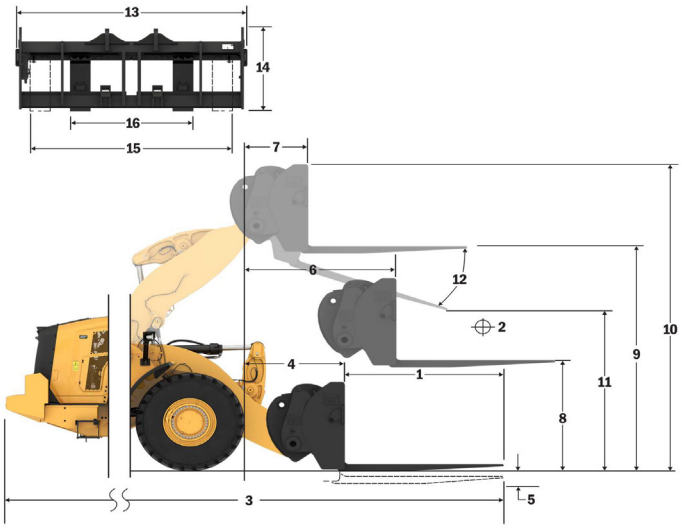
Fork Specifications

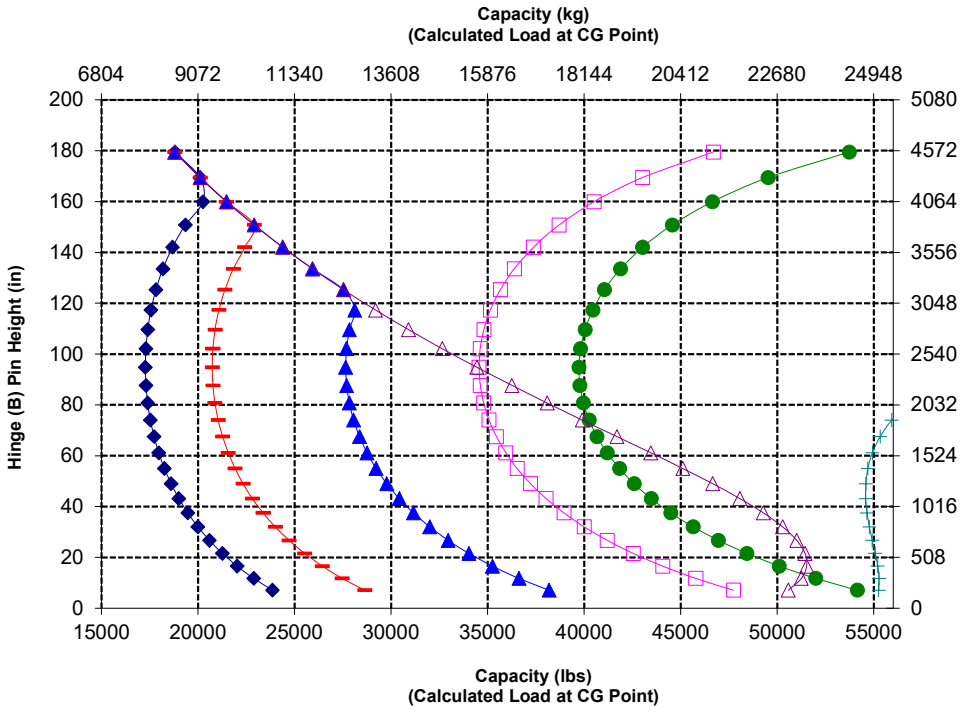
1	Tine Length	mm in	1829 72.0
2	Load Center	mm in	914 36.0
	Static Tipping Load - Straight (Forks Level)	kg lbs	18021 39719
	Static Tipping Load - Articulated (Forks Level)	kg lbs	15675 34548
	Rated Load (SAE J1197 - 50% FTSTL)	kg lbs	7838 17274
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	kg lbs	8530 18799
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	kg lbs	8530 18799
3	Maximum Overall Length	mm in	10507 413.7
4	Reach with Forks at Ground Level	mm in	1349 53.1
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	mm in	-145 -5.7
6	Reach with Arms Horizontal and Forks Level	mm in	1870 73.6
7	Reach with Fork at Maximum Height	mm in	943 37.1
8	Ground to Top of Tine with Arms Horizontal and Fork Level	mm in	2167 85.3
9	Ground to Top of Tine at Maximum Height and Fork Level	mm in	4436 174.6
10	Overall Height of Fork at Full Lift (top of carriage to ground)	mm in	5814 228.9
11	Clearance at Full Lift and Max Dump	mm in	2386 93.9
12	Max Discharge Angle from Horizontal	deg	58
13	Overall Carriage Width	mm in	2751 108.3
14	Overall Carriage Height	mm in	1581 62.3
15	Outside Tine Width (max spread)	mm in	2671 105.1
16	Outside Tine Width (min spread)	mm in	849 33.4
	Tine Width (single tine)	mm in	88.9 3.5
	Tine Thickness	mm in	203.2 8.0
	Tine Capacity	kg lbs	14742 32491
	Operating Weight	kg lbs	36230 79852

*Negative values indicate below grade

980 IW STD

Pallet Fork, Pin-On — **72" Tine** — **473-9106**





NOTE: Static tipping loads and operating weight are based on the following loader configuration: Brawler Smooth Solid Tires, Air Conditioning, Ride Control, Powertrain Guard, Full Fluids, Fuel Tank, Coolant, Lubricants, and Operator.

Specifications and ratings conform to the following standards: SAE* J1197, ISO 14397-1, CEN** EN 474-3.

The rated operating load for a loader equipped with a pallet fork is determined by:
SAE J1197: 50% of full turn static tipping load or hydraulic limit.
CEN EN 474-3: 60% of full turn static tipping load on rough terrain or hydraulic limit.
CEN EN 474-3: 80% of full turn static tipping load on firm and level ground or hydraulic limit.

*SAE - Society of Automotive Engineers
**CEN - European Committee for Standardization

WARNING: Do not exceed tine load capacity. Individual tine capacity is stamped on the side of each tine.

Fork Specifications

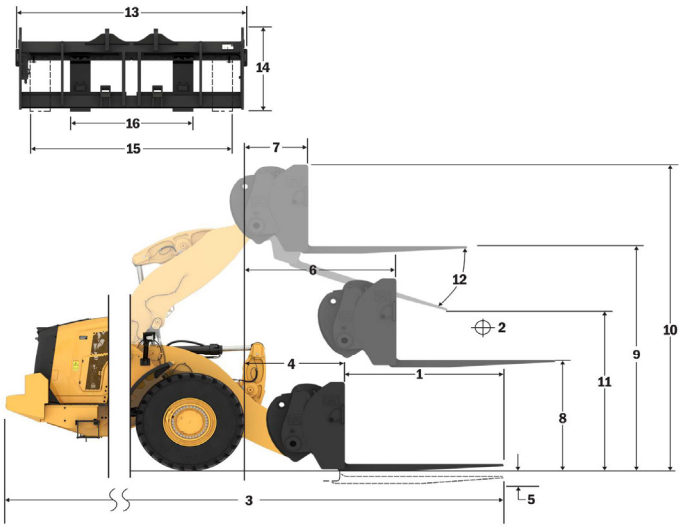
Fork Specifications

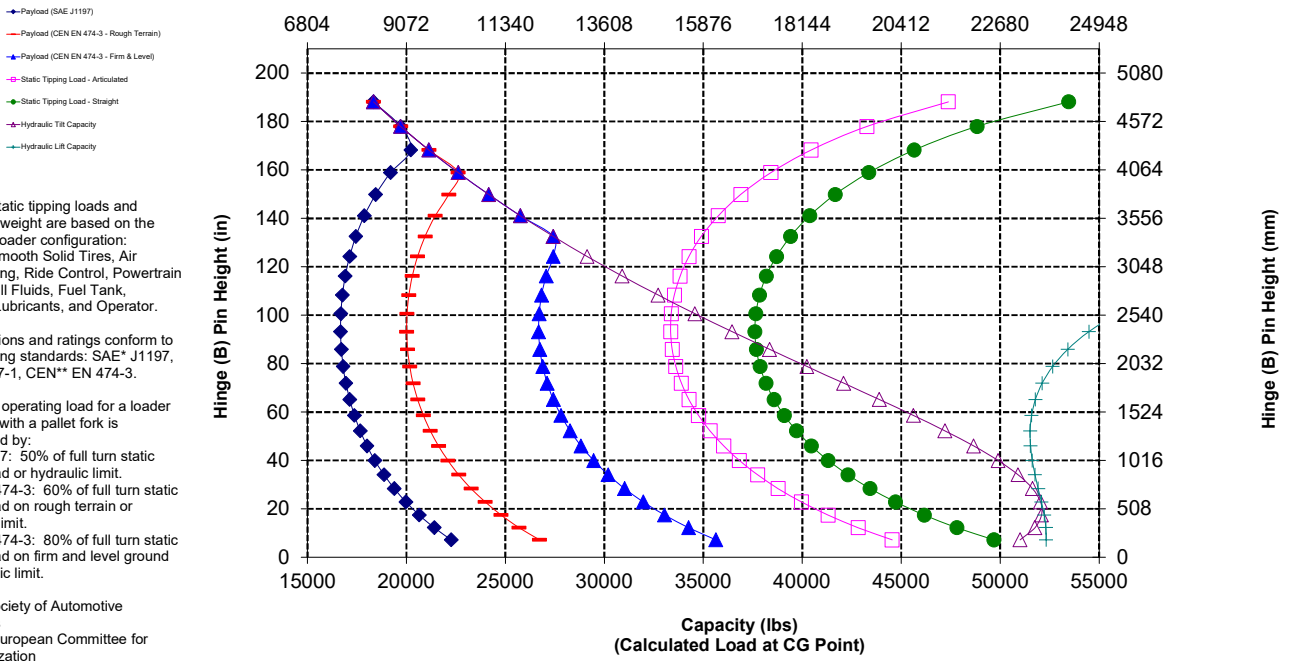
1	Tine Length	mm in	1829 72.0
2	Load Center	mm in	914 36.0
	Static Tipping Load - Straight (Forks Level)	kg lbs	17059 37597
	Static Tipping Load - Articulated (Forks Level)	kg lbs	15127 33339
	Rated Load (SAE J1197 - 50% FTSTL)	kg lbs	7563 16670
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	kg lbs	8317 18330
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	kg lbs	8317 18330
3	Maximum Overall Length	mm in	10696 421.1
4	Reach with Forks at Ground Level	mm in	1538 60.6
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	mm in	-143 -5.6
6	Reach with Arms Horizontal and Forks Level	mm in	2030 79.9
7	Reach with Fork at Maximum Height	mm in	946 37.2
8	Ground to Top of Tine with Arms Horizontal and Fork Level	mm in	2167 85.3
9	Ground to Top of Tine at Maximum Height and Fork Level	mm in	4657 183.3
10	Overall Height of Fork at Full Lift (top of carriage to ground)	mm in	6035 237.6
11	Clearance at Full Lift and Max Dump	mm in	2789 109.8
12	Max Discharge Angle from Horizontal	deg	49
13	Overall Carriage Width	mm in	2751 108.3
14	Overall Carriage Height	mm in	1581 62.3
15	Outside Tine Width (max spread)	mm in	2671 105.1
16	Outside Tine Width (min spread)	mm in	849 33.4
	Tine Width (single tine)	mm in	88.9 3.5
	Tine Thickness	mm in	203.2 8.0
	Tine Capacity	kg lbs	14742 32491
	Operating Weight	kg lbs	36364 80146

*Negative values indicate below grade

980 IW HL

Pallet Fork, Pin-On — **72" Tine** **473-9106**





NOTE: Static tipping loads and operating weight are based on the following loader configuration: Brawler Smooth Solid Tires, Air Conditioning, Ride Control, Powertrain Guard, Full Fluids, Fuel Tank, Coolant, Lubricants, and Operator.

Specifications and ratings conform to the following standards: SAE* J1197, ISO 14397-1, CEN** EN 474-3.

The rated operating load for a loader equipped with a pallet fork is determined by:
SAE J1197: 50% of full turn static tipping load or hydraulic limit.
CEN EN 474-3: 60% of full turn static tipping load on rough terrain or hydraulic limit.
CEN EN 474-3: 80% of full turn static tipping load on firm and level ground or hydraulic limit.

*SAE - Society of Automotive Engineers
**CEN - European Committee for Standardization

WARNING: Do not exceed tine load capacity. Individual tine capacity is stamped on the side of each tine.

980 XE Waste & Scrap Handler Specifications

Fork Specifications

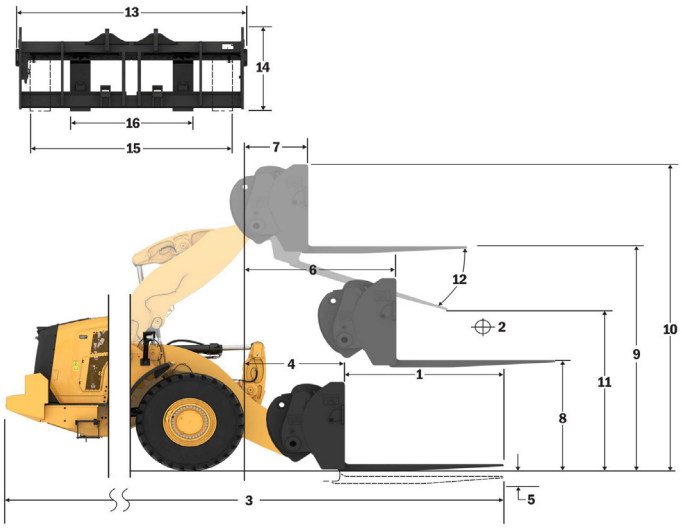
Fork Specifications

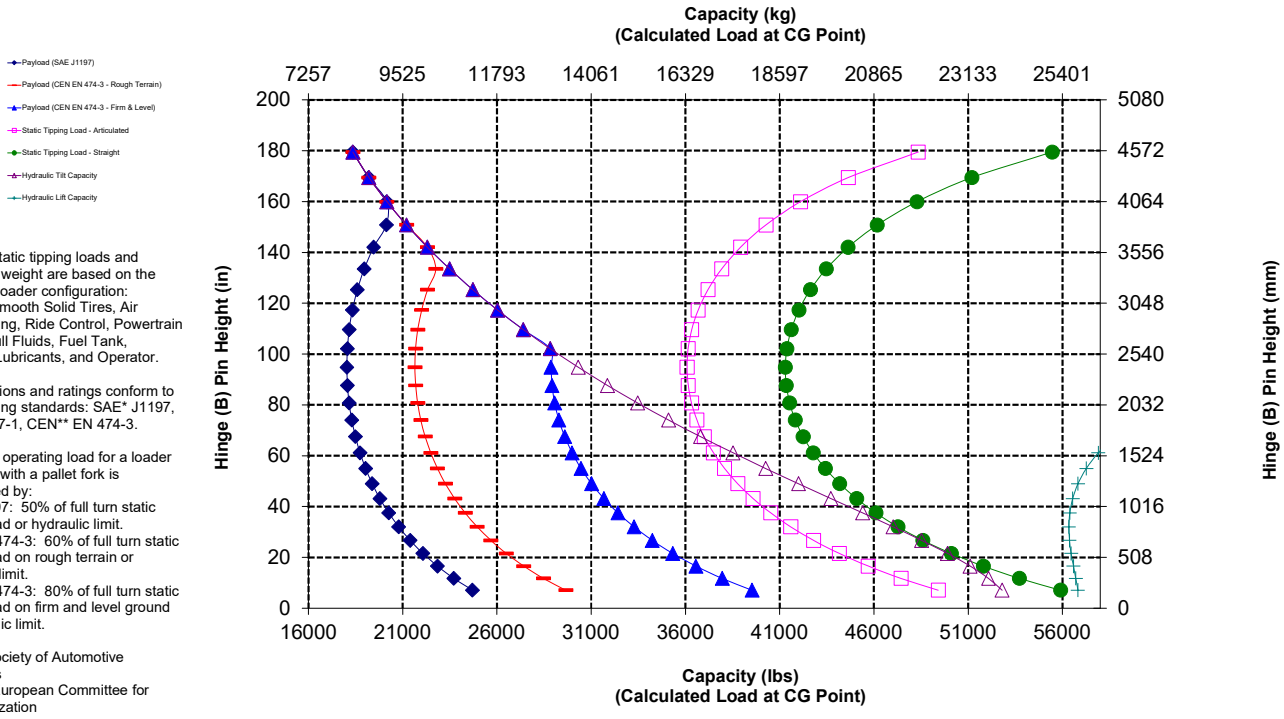
980 IW STD

Pallet Fork, FUSION | **87" Carriage 530-1861** | **72" Tine 530-1869**

1	Tine Length	mm in	1830 72.0
2	Load Center	mm in	915 36.0
	Static Tipping Load - Straight (Forks Level)	kg lbs	18732 41286
	Static Tipping Load - Articulated (Forks Level)	kg lbs	16368 36075
	Rated Load (SAE J1197 - 50% FTSTL)	kg lbs	8184 18038
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	kg lbs	8327 18352
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	kg lbs	8327 18352
3	Maximum Overall Length	mm in	10384 408.8
4	Reach with Forks at Ground Level	mm in	1225 48.2
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	mm in	-146 -5.8
6	Reach with Arms Horizontal and Forks Level	mm in	1839 72.4
7	Reach with Fork at Maximum Height	mm in	913 35.9
8	Ground to Top of Tine with Arms Horizontal and Fork Level	mm in	2028 79.8
9	Ground to Top of Tine at Maximum Height and Fork Level	mm in	4297 169.2
10	Overall Height of Fork at Full Lift (top of carriage to ground)	mm in	5072 199.7
11	Clearance at Full Lift and Max Dump	mm in	2681 105.5
12	Max Discharge Angle from Horizontal	deg	45
13	Overall Carriage Width	mm in	2217 87.3
14	Overall Carriage Height	mm in	840 33.1
15	Outside Tine Width (max spread)	mm in	2070 81.5
16	Outside Tine Width (min spread)	mm in	470 18.5
	Tine Width (single tine)	mm in	150.0 5.9
	Tine Thickness	mm in	65.0 2.6
	Tine Capacity	kg lbs	5246 11562
	Operating Weight	kg lbs	35561 78377

*Negative values indicate below grade





NOTE: Static tipping loads and operating weight are based on the following loader configuration: Brawler Smooth Solid Tires, Air Conditioning, Ride Control, Powertrain Guard, Full Fluids, Fuel Tank, Coolant, Lubricants, and Operator.

Specifications and ratings conform to the following standards: SAE* J1197, ISO 14397-1, CEN** EN 474-3.

The rated operating load for a loader equipped with a pallet fork is determined by:
SAE J1197: 50% of full turn static tipping load or hydraulic limit.
CEN EN 474-3: 60% of full turn static tipping load on rough terrain or hydraulic limit.
CEN EN 474-3: 80% of full turn static tipping load on firm and level ground or hydraulic limit.

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**CEN - European Committee for Standardization

WARNING: Do not exceed tine load capacity. Individual tine capacity is stamped on the side of each tine.

Fork Specifications

Fork Specifications

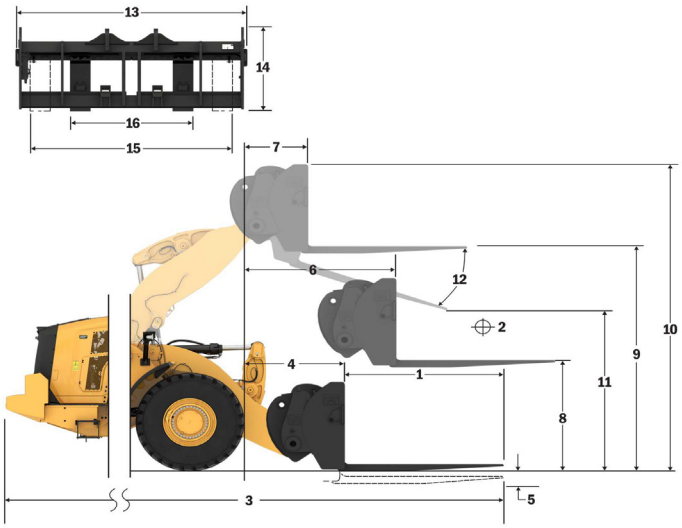
1	Tine Length	mm in	1830 72.0
2	Load Center	mm in	915 36.0
	Static Tipping Load - Straight (Forks Level)	kg lbs	17694 38998
	Static Tipping Load - Articulated (Forks Level)	kg lbs	15754 34723
	Rated Load (SAE J1197 - 50% FTSTL)	kg lbs	7877 17361
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	kg lbs	7970 17566
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	kg lbs	7970 17566
3	Maximum Overall Length	mm in	10593 417.0
4	Reach with Forks at Ground Level	mm in	1434 56.4
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	mm in	-145 -5.7
6	Reach with Arms Horizontal and Forks Level	mm in	2012 79.2
7	Reach with Fork at Maximum Height	mm in	928 36.5
8	Ground to Top of Tine with Arms Horizontal and Fork Level	mm in	2028 79.8
9	Ground to Top of Tine at Maximum Height and Fork Level	mm in	4517 177.8
10	Overall Height of Fork at Full Lift (top of carriage to ground)	mm in	5292 208.3
11	Clearance at Full Lift and Max Dump	mm in	2759 108.6
12	Max Discharge Angle from Horizontal	deg	51
13	Overall Carriage Width	mm in	2217 87.3
14	Overall Carriage Height	mm in	840 33.1
15	Outside Tine Width (max spread)	mm in	2070 81.5
16	Outside Tine Width (min spread)	mm in	470 18.5
	Tine Width (single tine)	mm in	150.0 5.9
	Tine Thickness	mm in	65.0 2.6
	Tine Capacity	kg lbs	5246 11562
	Operating Weight	kg lbs	35699 78680

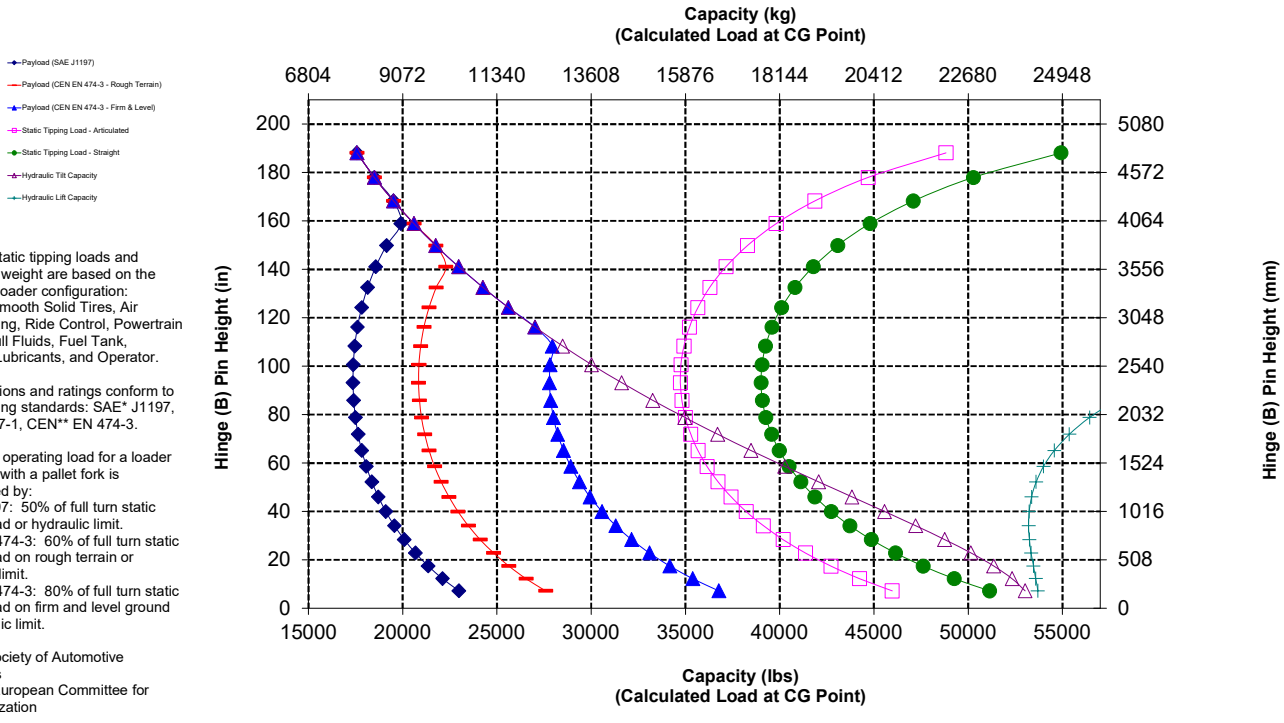
*Negative values indicate below grade

980 IW HL

Pallet Fork, FUSION

87" Carriage	72" Tine
530-1861	530-1869





NOTE: Static tipping loads and operating weight are based on the following loader configuration: Brawler Smooth Solid Tires, Air Conditioning, Ride Control, Powertrain Guard, Full Fluids, Fuel Tank, Coolant, Lubricants, and Operator.

Specifications and ratings conform to the following standards: SAE* J1197, ISO 14397-1, CEN** EN 474-3.

The rated operating load for a loader equipped with a pallet fork is determined by:
SAE J1197: 50% of full turn static tipping load or hydraulic limit.
CEN EN 474-3: 60% of full turn static tipping load on rough terrain or hydraulic limit.
CEN EN 474-3: 80% of full turn static tipping load on firm and level ground or hydraulic limit.

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**CEN - European Committee for Standardization

WARNING: Do not exceed tine load capacity. Individual tine capacity is stamped on the side of each tine.

980 XE Waste & Scrap Handler Specifications

Fork Specifications

Fork Specifications

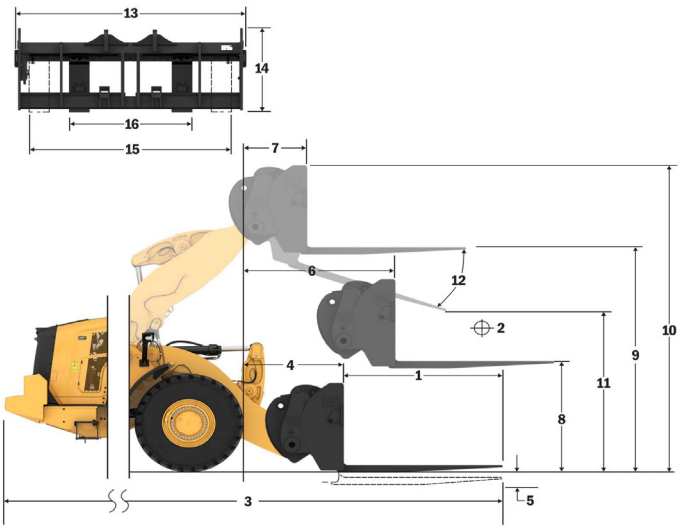
1	Tine Length	mm in	1829 72.0
2	Load Center	mm in	914 36.0
	Static Tipping Load - Straight (Forks Level)	kg lbs	18136 39972
	Static Tipping Load - Articulated (Forks Level)	kg lbs	15764 34743
	Rated Load (SAE J1197 - 50% FTSTL)	kg lbs	7882 17371
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	kg lbs	8905 19627
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	kg lbs	8905 19627
3	Maximum Overall Length	mm in	10347 407.4
4	Reach with Forks at Ground Level	mm in	1189 46.8
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	mm in	-95 -3.7
6	Reach with Arms Horizontal and Forks Level	mm in	1826 71.9
7	Reach with Fork at Maximum Height	mm in	899 35.4
8	Ground to Top of Tine with Arms Horizontal and Fork Level	mm in	2099 82.6
9	Ground to Top of Tine at Maximum Height and Fork Level	mm in	4368 172.0
10	Overall Height of Fork at Full Lift (top of carriage to ground)	mm in	5412 213.1
11	Clearance at Full Lift and Max Dump	mm in	2502 98.5
12	Max Discharge Angle from Horizontal	deg	55
13	Overall Carriage Width	mm in	2821 111.1
14	Overall Carriage Height	mm in	1129 44.4
15	Outside Tine Width (max spread)	mm in	2627 103.4
16	Outside Tine Width (min spread)	mm in	747 29.4
	Tine Width (single tine)	mm in	250.0 9.8
	Tine Thickness	mm in	85.0 3.3
	Tine Capacity	kg lbs	18700 41215
	Operating Weight	kg lbs	36438 80310

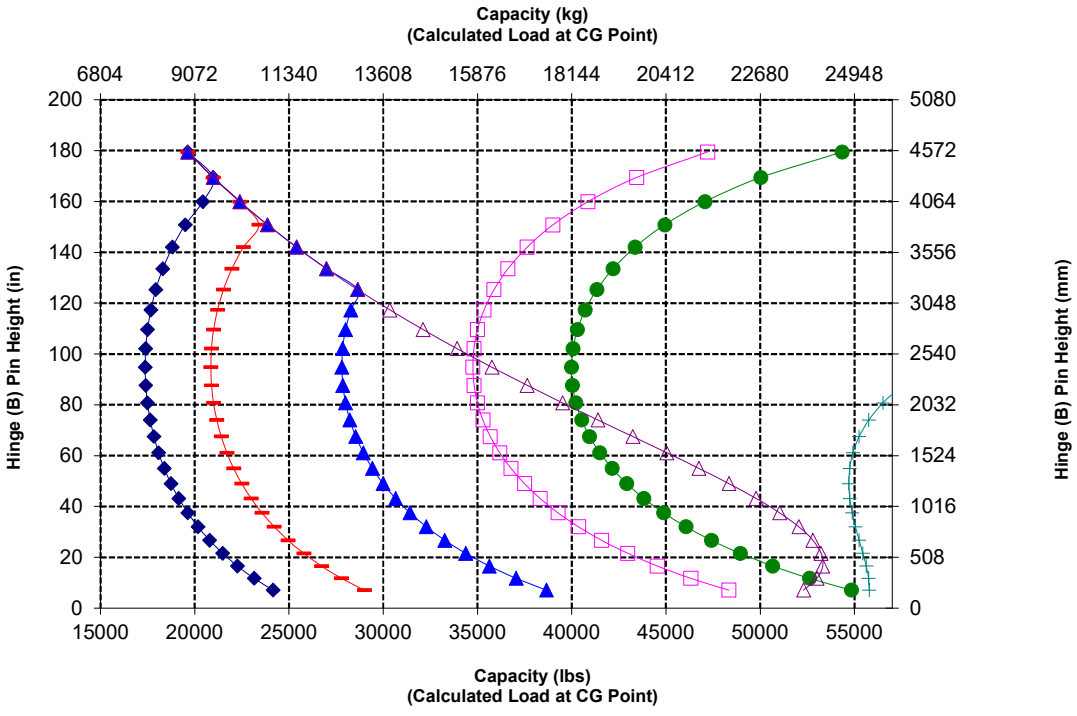
*Negative values indicate below grade

980 IW STD

Construction Fork, FUSION

108" Carriage	72" Tine
523-4199	523-4200





NOTE: Static tipping loads and operating weight are based on the following loader configuration: Brawler Smooth Solid Tires, Air Conditioning, Ride Control, Powertrain Guard, Full Fluids, Fuel Tank, Coolant, Lubricants, and Operator.

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CEN EN 474-3: 80% of full turn static tipping load on firm and level ground or hydraulic limit.

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Fork Specifications

Fork Specifications

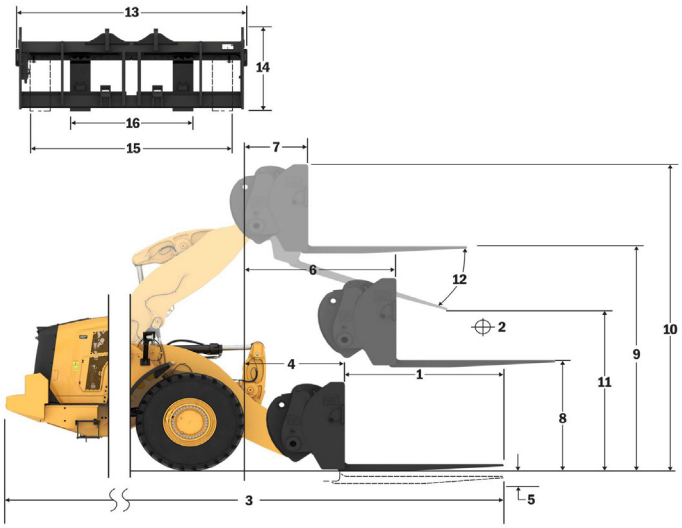
980 IW HL

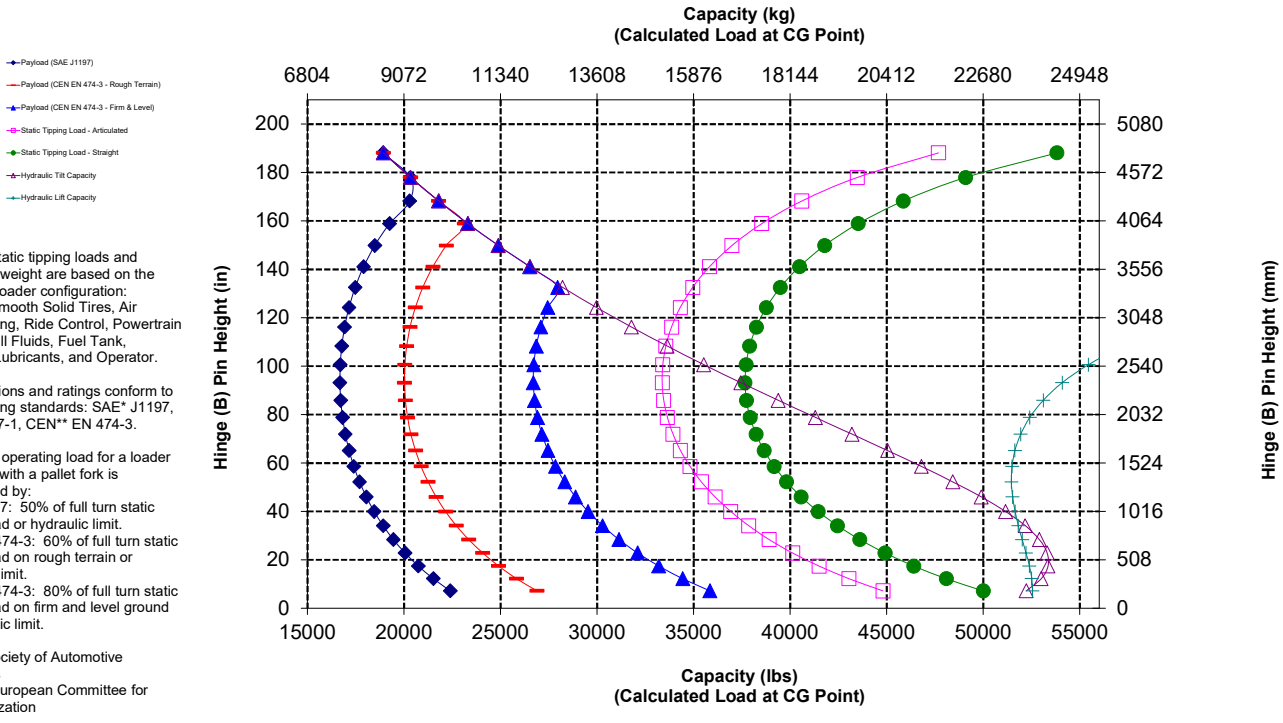
Construction Fork, FUSION

108" Carriage	72" Tine
523-4199	523-4200

1	Tine Length	mm in	1829 72.0
2	Load Center	mm in	914 36.0
	Static Tipping Load - Straight (Forks Level)	kg lbs	17083 37651
	Static Tipping Load - Articulated (Forks Level)	kg lbs	15137 33362
	Rated Load (SAE J1197 - 50% FTSTL)	kg lbs	7568 16681
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	kg lbs	8586 18924
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	kg lbs	8586 18924
3	Maximum Overall Length	mm in	10555 415.6
4	Reach with Forks at Ground Level	mm in	1397 55.0
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	mm in	-91 -3.6
6	Reach with Arms Horizontal and Forks Level	mm in	1999 78.7
7	Reach with Fork at Maximum Height	mm in	915 36.0
8	Ground to Top of Tine with Arms Horizontal and Fork Level	mm in	2101 82.7
9	Ground to Top of Tine at Maximum Height and Fork Level	mm in	4590 180.7
10	Overall Height of Fork at Full Lift (top of carriage to ground)	mm in	5634 221.8
11	Clearance at Full Lift and Max Dump	mm in	2613 102.9
12	Max Discharge Angle from Horizontal	deg	61
13	Overall Carriage Width	mm in	2821 111.1
14	Overall Carriage Height	mm in	1129 44.4
15	Outside Tine Width (max spread)	mm in	2627 103.4
16	Outside Tine Width (min spread)	mm in	747 29.4
	Tine Width (single tine)	mm in	250.0 9.8
	Tine Thickness	mm in	85.0 3.3
	Tine Capacity	kg lbs	18700 41215
	Operating Weight	kg lbs	36576 80613

*Negative values indicate below grade





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980 XE Waste & Scrap Handler Specifications

Fork Specifications

Fork Specifications

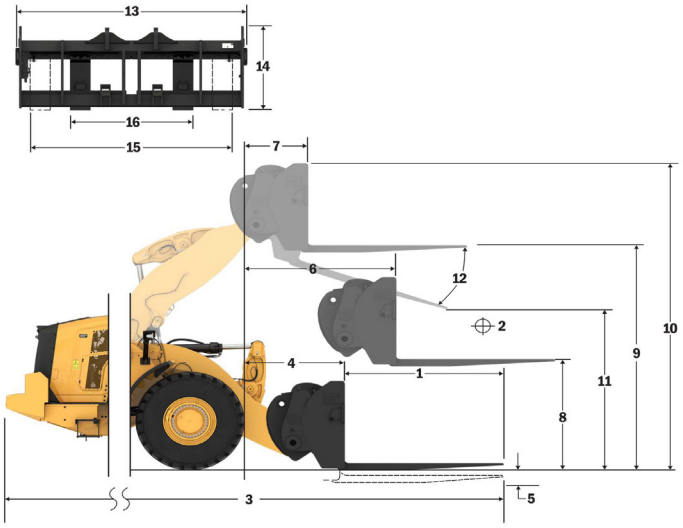
980 IW STD

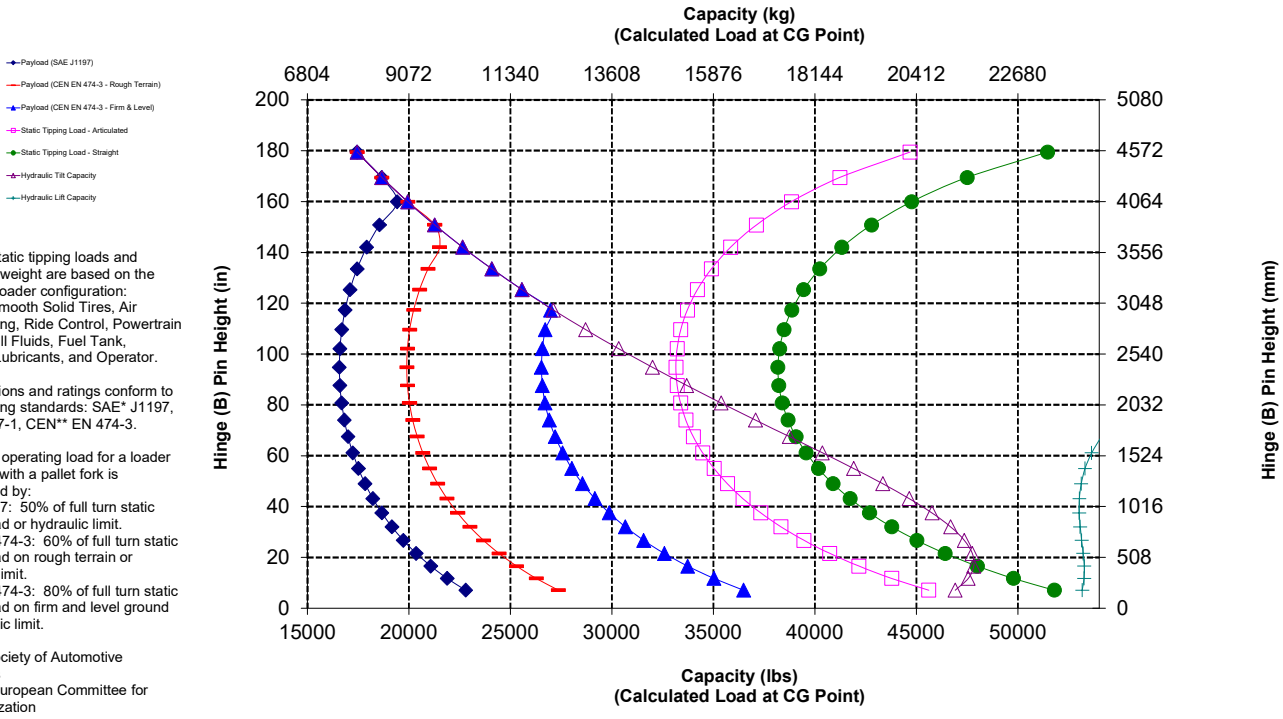
Construction Fork, FUSION

108" Carriage	84" Tine
523-4199	523-4201

1	Tine Length	mm in	2134 84.0
2	Load Center	mm in	1067 42.0
	Static Tipping Load - Straight (Forks Level)	kg lbs	17316 38165
	Static Tipping Load - Articulated (Forks Level)	kg lbs	15038 33144
	Rated Load (SAE J1197 - 50% FTSTL)	kg lbs	7519 16572
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	kg lbs	7914 17442
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	kg lbs	7914 17442
3	Maximum Overall Length	mm in	10655 419.5
4	Reach with Forks at Ground Level	mm in	1193 47.0
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	mm in	-95 -3.7
6	Reach with Arms Horizontal and Forks Level	mm in	1826 71.9
7	Reach with Fork at Maximum Height	mm in	899 35.4
8	Ground to Top of Tine with Arms Horizontal and Fork Level	mm in	2104 82.8
9	Ground to Top of Tine at Maximum Height and Fork Level	mm in	4373 172.2
10	Overall Height of Fork at Full Lift (top of carriage to ground)	mm in	5412 213.1
11	Clearance at Full Lift and Max Dump	mm in	2251 88.6
12	Max Discharge Angle from Horizontal	deg	55
13	Overall Carriage Width	mm in	2821 111.1
14	Overall Carriage Height	mm in	1129 44.4
15	Outside Tine Width (max spread)	mm in	2627 103.4
16	Outside Tine Width (min spread)	mm in	747 29.4
	Tine Width (single tine)	mm in	250.0 9.8
	Tine Thickness	mm in	90.0 3.5
	Tine Capacity	kg lbs	17729 39075
	Operating Weight	kg lbs	36540 80535

*Negative values indicate below grade





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Fork Specifications

Fork Specifications

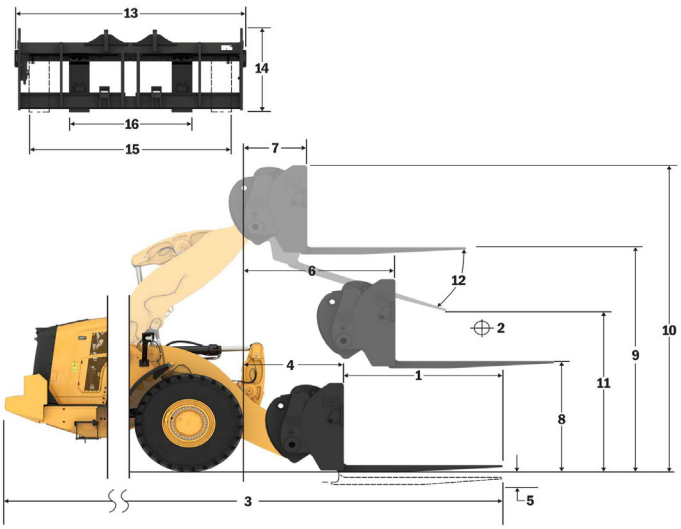
1	Tine Length	mm in	2134 84.0
2	Load Center	mm in	1067 42.0
	Static Tipping Load - Straight (Forks Level)	kg lbs	16333 35997
	Static Tipping Load - Articulated (Forks Level)	kg lbs	14461 31871
	Rated Load (SAE J1197 - 50% FTSTL)	kg lbs	7230 15936
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	kg lbs	7633 16824
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	kg lbs	7633 16824
3	Maximum Overall Length	mm in	10863 427.7
4	Reach with Forks at Ground Level	mm in	1401 55.2
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	mm in	-91 -3.6
6	Reach with Arms Horizontal and Forks Level	mm in	1999 78.7
7	Reach with Fork at Maximum Height	mm in	915 36.0
8	Ground to Top of Tine with Arms Horizontal and Fork Level	mm in	2106 82.9
9	Ground to Top of Tine at Maximum Height and Fork Level	mm in	4595 180.9
10	Overall Height of Fork at Full Lift (top of carriage to ground)	mm in	5634 221.8
11	Clearance at Full Lift and Max Dump	mm in	2346 92.4
12	Max Discharge Angle from Horizontal	deg	61
13	Overall Carriage Width	mm in	2821 111.1
14	Overall Carriage Height	mm in	1129 44.4
15	Outside Tine Width (max spread)	mm in	2627 103.4
16	Outside Tine Width (min spread)	mm in	747 29.4
	Tine Width (single tine)	mm in	250.0 9.8
	Tine Thickness	mm in	90.0 3.5
	Tine Capacity	kg lbs	17729 39075
	Operating Weight	kg lbs	36678 80838

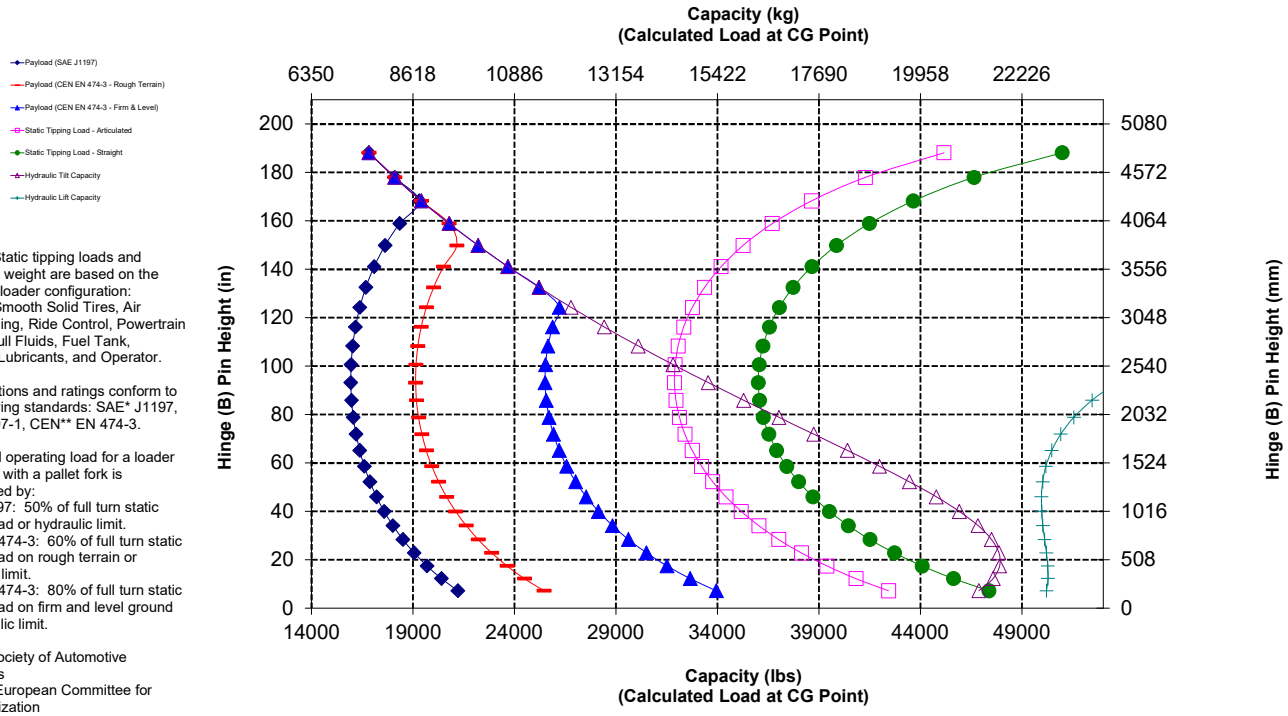
*Negative values indicate below grade

980 IW HL

Construction Fork, FUSION

108" Carriage	84" Tine
523-4199	523-4201





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980 XE Waste & Scrap Handler Specifications

Fork Specifications

Fork Specifications

980 IW STD

Construction Fork, FUSION

108" Carriage	96" Tine
523-4199	523-4202

1	Tine Length	mm in	2438 96.0
2	Load Center	mm in	1219 48.0
	Static Tipping Load - Straight (Forks Level)	kg lbs	16496 36358
	Static Tipping Load - Articulated (Forks Level)	kg lbs	14307 31532
	Rated Load (SAE J1197 - 50% FTSTL)	kg lbs	7041 15518
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	kg lbs	7041 15518
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	kg lbs	7041 15518
3	Maximum Overall Length	mm in	10964 431.7
4	Reach with Forks at Ground Level	mm in	1197 47.1
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	mm in	-93 -3.7
6	Reach with Arms Horizontal and Forks Level	mm in	1831 72.1
7	Reach with Fork at Maximum Height	mm in	904 35.6
8	Ground to Top of Tine with Arms Horizontal and Fork Level	mm in	2106 82.9
9	Ground to Top of Tine at Maximum Height and Fork Level	mm in	4375 172.2
10	Overall Height of Fork at Full Lift (top of carriage to ground)	mm in	5412 213.1
11	Clearance at Full Lift and Max Dump	mm in	1998 78.6
12	Max Discharge Angle from Horizontal	deg	55
13	Overall Carriage Width	mm in	2821 111.1
14	Overall Carriage Height	mm in	1127 44.4
15	Outside Tine Width (max spread)	mm in	2629 103.5
16	Outside Tine Width (min spread)	mm in	747 29.4
	Tine Width (single tine)	mm in	250.0 9.8
	Tine Thickness	mm in	90.0 3.5
	Tine Capacity	kg lbs	15750 34713
	Operating Weight	kg lbs	36691 80868

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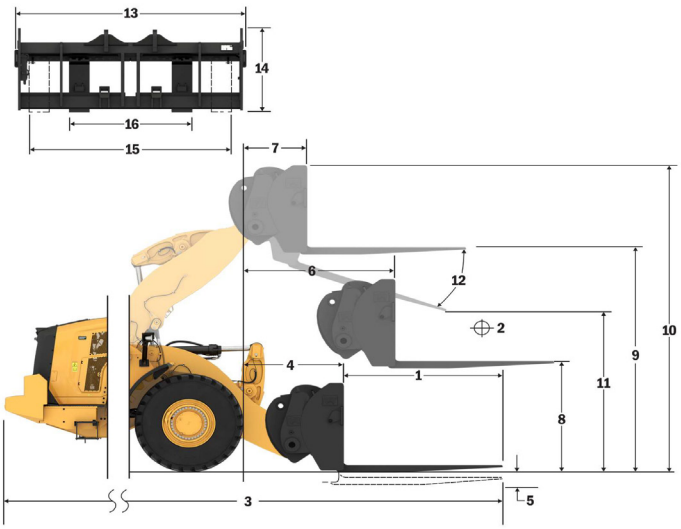

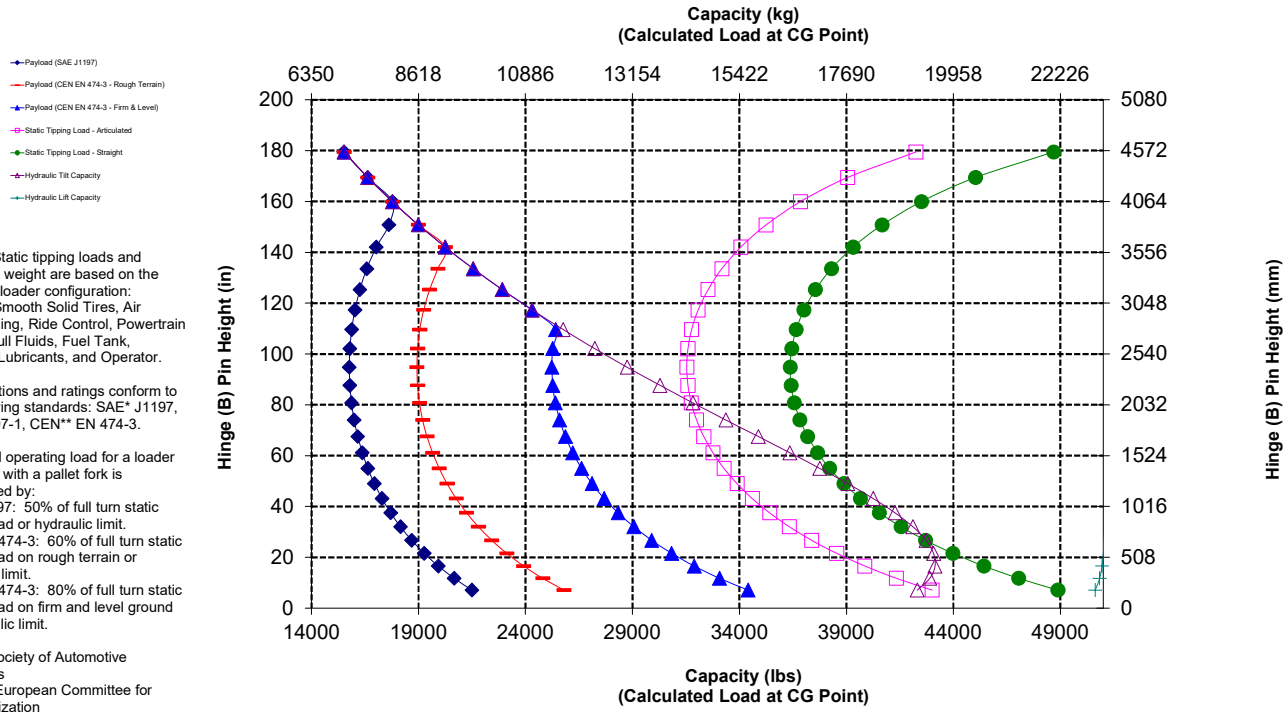

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Fork Specifications

Fork Specifications

980 IW HL

Construction Fork, FUSION

			108" Carriage	96" Tine
			523-4199	523-4202
1	Tine Length	mm in	2438 96.0	
2	Load Center	mm in	1219 48.0	
	Static Tipping Load - Straight (Forks Level)	kg lbs	15576 34328	
	Static Tipping Load - Articulated (Forks Level)	kg lbs	13773 30356	
	Rated Load (SAE J1197 - 50% FTSTL)	kg lbs	6791 14967	
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	kg lbs	6791 14967	
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	kg lbs	6791 14967	
3	Maximum Overall Length	mm in	11172 439.8	
4	Reach with Forks at Ground Level	mm in	1405 55.3	
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	mm in	-89 -3.5	
6	Reach with Arms Horizontal and Forks Level	mm in	2004 78.9	
7	Reach with Fork at Maximum Height	mm in	920 36.2	
8	Ground to Top of Tine with Arms Horizontal and Fork Level	mm in	2108 83.0	
9	Ground to Top of Tine at Maximum Height and Fork Level	mm in	4597 181.0	
10	Overall Height of Fork at Full Lift (top of carriage to ground)	mm in	5634 221.8	
11	Clearance at Full Lift and Max Dump	mm in	2076 81.7	
12	Max Discharge Angle from Horizontal	deg	61	
13	Overall Carriage Width	mm in	2821 111.1	
14	Overall Carriage Height	mm in	1127 44.4	
15	Outside Tine Width (max spread)	mm in	2629 103.5	
16	Outside Tine Width (min spread)	mm in	747 29.4	
	Tine Width (single tine)	mm in	250.0 9.8	
	Tine Thickness	mm in	90.0 3.5	
	Tine Capacity	kg lbs	15750 34713	
	Operating Weight	kg lbs	36829 81171	

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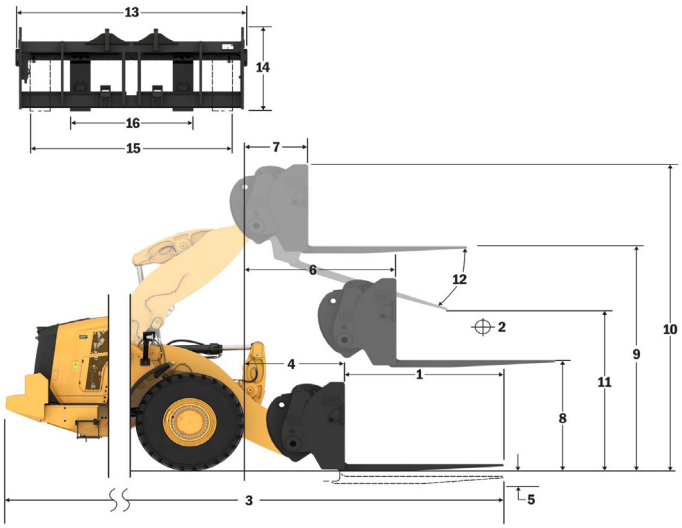

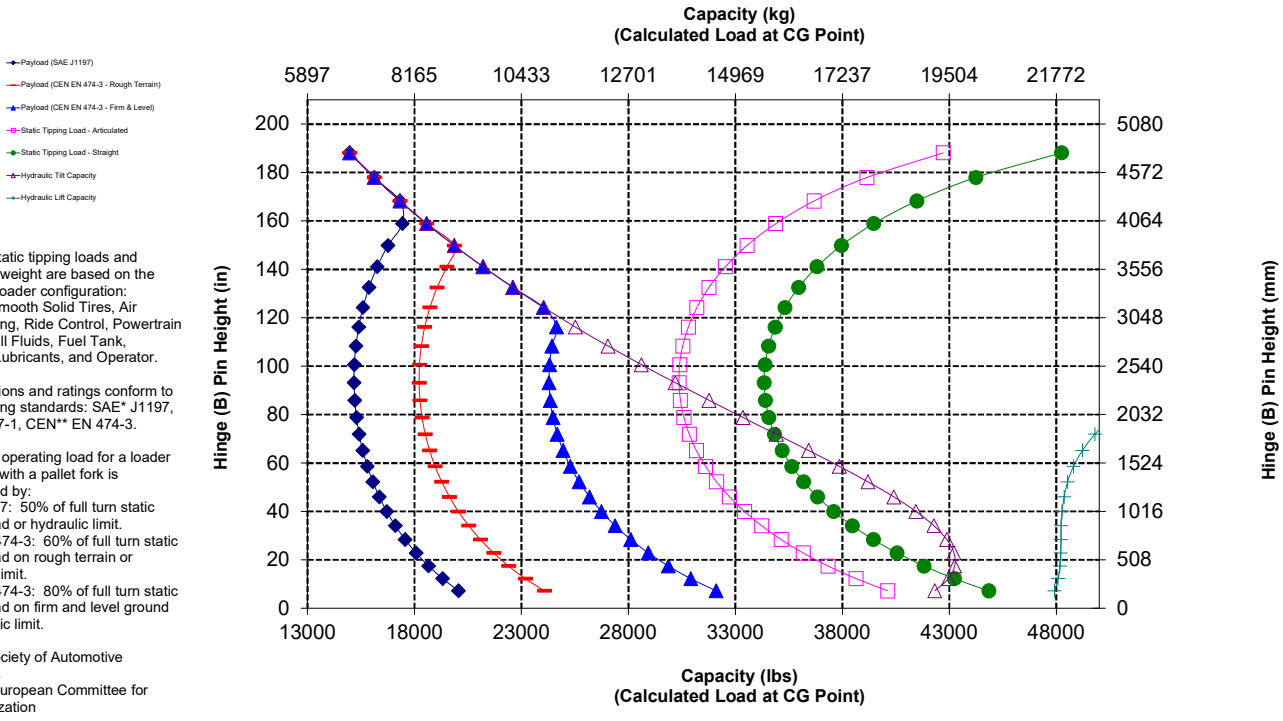

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980 XE

Forestry Machine

Millyard applications demand the additional performance, productivity, and safety that Cat forestry wheel loaders deliver.

Superior Fuel Efficiency

- Up to 35% better fuel efficiency compared to previous Cat model.
- Deep system integration of the Cat continuously variable transmission, engine, hydraulic, and cooling systems results in significantly increased performance and fuel efficiency.
- Eliminating the torque converter allows the capability to control engine rpm and machine speed independently, resulting in efficient digging, fine control, and easy operation.
- Lower rated engine speed reduces component wear and operating noise.
- Power dense engine burns less fuel by providing power and torque when needed.

Achieve Greater Productivity

- Forestry package includes additional counterweight, heavier rear frame, larger tilt cylinders, and shorter tilt links to increase machine capacity over the base model.
- Optional variable pitch fan and high debris coolers minimize the potential for overheating and reduce downtime for radiator clean out in high debris applications.
- Optional 3rd valve auxiliary hydraulics to control work tools requiring the additional function.
- Continuously variable transmission delivers smooth, fast acceleration and speed on grade.
- Machine maneuvering on grade is made easy with speed-hold and anti-rollback.
- Integrated continuously variable transmission provides maximum, steady power at optimal speeds.
- Lower rated engine speed reduces component wear and operating noise.
- Power dense engine burns less fuel by providing power and torque when needed.

Proven Reliability

- Cat C13 engine offers high power density with a combination of proven electronics, fuel, and air systems.
- Thorough component design and machine validation processes result in unmatched reliability and uptime.

Durability

- Heavy-duty axles designed to handle extreme applications.
- Full-flow hydraulic filtration system with additional kidney-loop filtration improves hydraulic system reliability and component life.

Safety Features

- Rearview camera enhances visibility behind the machine, helping you work safely and confidently.
- Optional multiview (360˚) vision system helps the operator monitor the surroundings of the machine at all times.
- Optional Cat Detect radar technology enhances awareness by monitoring the working environment and alerts operators to hazards.
- Cab access with wide door, optional remote door opening, and stair-like steps add solid stability.
- Floor-to-ceiling windshield, large mirrors with integrated spot mirrors, and rearview camera provide industry leading all-around visibility.
- Optional access light and under-hood service light system to provide illuminated access to the machine and daily checks even in the dark.

Reduced Maintenance Time and Costs

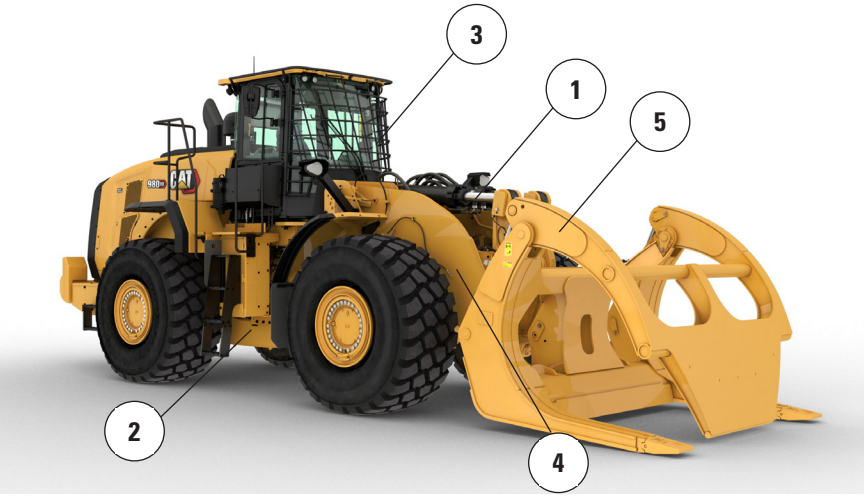
- Extended fluid and filter change intervals reduce maintenance costs by up to 25%.
- Remote Troubleshoot can connect the machine to the dealer service department to help diagnose problems quickly so you can get back to work.
- Remote Flash works around your schedule to ensure your machine's software is up to date for optimal performance.
- The Cat App helps you manage fleet location, hours, and maintenance schedules; it also alerts you for required maintenance and allows you to request service from your local Cat dealer.
- Integrated Autolube extends component and service life.
- One-piece tilting hood makes engine compartment access fast and easy.

Work in Comfort in the All New Cab

- Next-generation, easily adjustable seat and suspension for improved operator comfort. It comes in three trim levels and can be equipped with a 4-point harness.
- New in-cab dashboard and high-resolution touch display(s) are easy to use, intuitive, and user friendly.
- Sound suppression, seals, and viscous cab mounts decrease noise and vibration for a quieter work environment.

980 XE XE Forestry Machine Features

1. Larger tilt cylinders and optimized tilt links for increased load control in fork applications
2. Heavier rear frame and counterweight provide increased tipping loads in a millyard application
3. Optional window guarding to provide impact resistance to the glass
4. Optional 3rd function hydraulics provide auxiliary hydraulic control for work tools like millyard or logging forks
5. Wide range of millyard work tools



6. Optional variable pitch fan help to keep rear grill and cooling cores clean in high debris applications
7. Optional high debris/wide fin spacing cooling cores are less prone to plugging
8. Optional axle oil cooler provides lower axle oil temperatures in high braking applications
9. Optional engine and cab precleaners for use in high debris applications

980 XE Forestry Machine Specifications

Tire Options

Tire Brand	Bridgestone	Michelin	Bridgestone	Michelin	Maxam	Maxam
Tire Size	**29.5R25**	**29.5R25**	**29.5R25**	**29.5R25**	**29.5R25**	**29.5R25**
Tread Type	**L–4**	**L–4**	**L–3**	**L–3**	**L–3**	**L–4**
Tread Pattern	**VSNT**	**XLDD1**	**VJT**	**XHA2**	**MS302**	**MS405DX**
Width over Tires – Maximum (empty)*	3240 mm 10'8"	3258 mm 10'9"	3263 mm 10'9"	3270 mm 10'9"	3270 mm 10'9"	3256 mm 10'9"
Width over Tires – Maximum (loaded)*	3260 mm 10'9"	3302 mm 10'10"	3289 mm 10'10"	3296 mm 10'10"	3290 mm 10'10"	3282 mm 10'10"
Change in Vertical Dimensions (average of front and rear)		–7 mm –0.3"	–23 mm –0.9"	–40 mm –1.6"	–19 mm –0.8"	–33 mm –1.3"
Change in Horizontal Reach		–1 mm 0"	20 mm 0.8"	23 mm 0.9"	6 mm 0.2"	19 mm 0.7"
Change in Clearance Circle to Outside of Tires		42 mm 1.7"	29 mm 1.1"	36 mm 1.4"	30 mm 1.2"	22 mm 0.9"
Change in Clearance Circle to Inside of Tires		–42 mm –1.7"	–29 mm –1.1"	–36 mm –1.4"	–30 mm –1.2"	–22 mm –0.9"
Change in Operating Weight (without Ballast)		–156 kg –344 lb	–684 kg –1,508 lb	–700 kg –1,544 lb	–528 kg –1,164 lb	–388 kg –856 lb
Change in Static Tipping Load – Straight		–119 kg –262 lb	–520 kg –1,147 lb	–532 kg –1,174 lb	–402 kg –885 lb	–295 kg –651 lb
Change in Static Tipping Load – Articulated		–103 kg –228 lb	–453 kg –998 lb	–463 kg –1,022 lb	–350 kg –771 lb	–257 kg –566 lb
Rear Axle Oscillation Angle	±13 degrees	±13 degrees	±13 degrees	±13 degrees	±13 degrees	±13 degrees
Maximum Single-wheel Rise and Fall	549 mm 1'10"	549 mm 1'10"	549 mm 1'10"	549 mm 1'10"	549 mm 1'10"	549 mm 1'10"

*Width over tire bulge and includes tire growth.

Tire Brand	Michelin	Bridgestone	Bridgestone	Maxam
Tire Size	**875/65R29**	**875/65R29**	**875/65R29**	**875/65R29**
Tread Type	**L–3**	**L–3**	**L–4**	**L–4**
Tread Pattern	**XHA2**	**VTS**	**VLTS**	**MS405DX**
Width over Tires – Maximum (empty)*	3373 mm 11'1"	3341 mm 11'0"	3344 mm 11'0"	3357 mm 11'1"
Width over Tires – Maximum (loaded)*	3384 mm 11'2"	3359 mm 11'1"	3366 mm 11'1"	3382 mm 11'2"
Change in Vertical Dimensions (average of front and rear)	–25 mm –1"	–19 mm –0.8"	–16 mm –0.6"	–34 mm –1.3"
Change in Horizontal Reach	18 mm 0.7"	20 mm 0.8"	19 mm 0.7"	19 mm 0.7"
Change in Clearance Circle to Outside of Tires	124 mm 4.9"	99 mm 3.9"	106 mm 4.2"	122 mm 4.8"
Change in Clearance Circle to Inside of Tires	–124 mm –4.9"	–99 mm –3.9"	–106 mm –4.2"	–122 mm –4.8"
Change in Operating Weight (without Ballast)	–40 kg –88 lb	240 kg 529 lb	316 kg 697 lb	308 kg 679 lb
Change in Static Tipping Load – Straight	–30 kg –67 lb	183 kg 402 lb	240 kg 530 lb	234 kg 516 lb
Change in Static Tipping Load – Articulated	–26 kg –58 lb	159 kg 350 lb	209 kg 461 lb	204 kg 450 lb
Rear Axle Oscillation Angle	±8 degrees	±8 degrees	±8 degrees	±8 degrees
Maximum Single-wheel Rise and Fall	340 mm 1'1"	340 mm 1'1"	340 mm 1'1"	340 mm 1'1"

*Width over tire bulge and includes tire growth.

Fork Specifications

Fork Specifications

1	Tine Length	mm in	2438 96.0
2	Load Center	mm in	1219 48.0
	Static Tipping Load - Straight (Forks Level)	kg lbs	15352 33835
	Static Tipping Load - Articulated (Forks Level)	kg lbs	13533 29826
	Rated Load (SAE J1197 - 50% FTSTL)	kg lbs	6766 14913
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	kg lbs	8120 17896
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	kg lbs	10826 23861
3	Maximum Overall Length	mm in	11174 439.9
4	Reach with Forks at Ground Level	mm in	1318 51.9
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	mm in	-143 -5.6
6	Reach with Arms Horizontal and Forks Level	mm in	1840 72.4
7	Reach with Fork at Maximum Height	mm in	913 35.9
8	Ground to Top of Tine with Arms Horizontal and Fork Level	mm in	2169 85.4
9	Ground to Top of Tine at Maximum Height and Fork Level	mm in	4438 174.7
10	Overall Height of Fork at Full Lift (top of carriage to ground)	mm in	5810 228.7
11	Clearance at Full Lift and Max Dump	mm in	2165 85.3
12	Max Discharge Angle from Horizontal	deg	47
13	Overall Carriage Width	mm in	2751 108.3
14	Overall Carriage Height	mm in	1575 62.0
15	Outside Tine Width (max spread)	mm in	2671 105.1
16	Outside Tine Width (min spread)	mm in	849 33.4
	Tine Width (single tine)	mm in	88.9 3.5
	Tine Thickness	mm in	203.2 8.0
	Tine Capacity	kg lbs	11068 24393
	Operating Weight	kg lbs	31500 69426

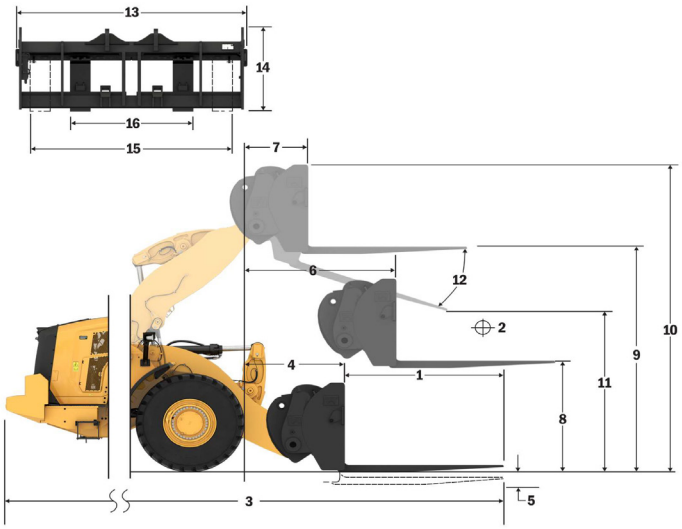
*Negative values indicate below grade

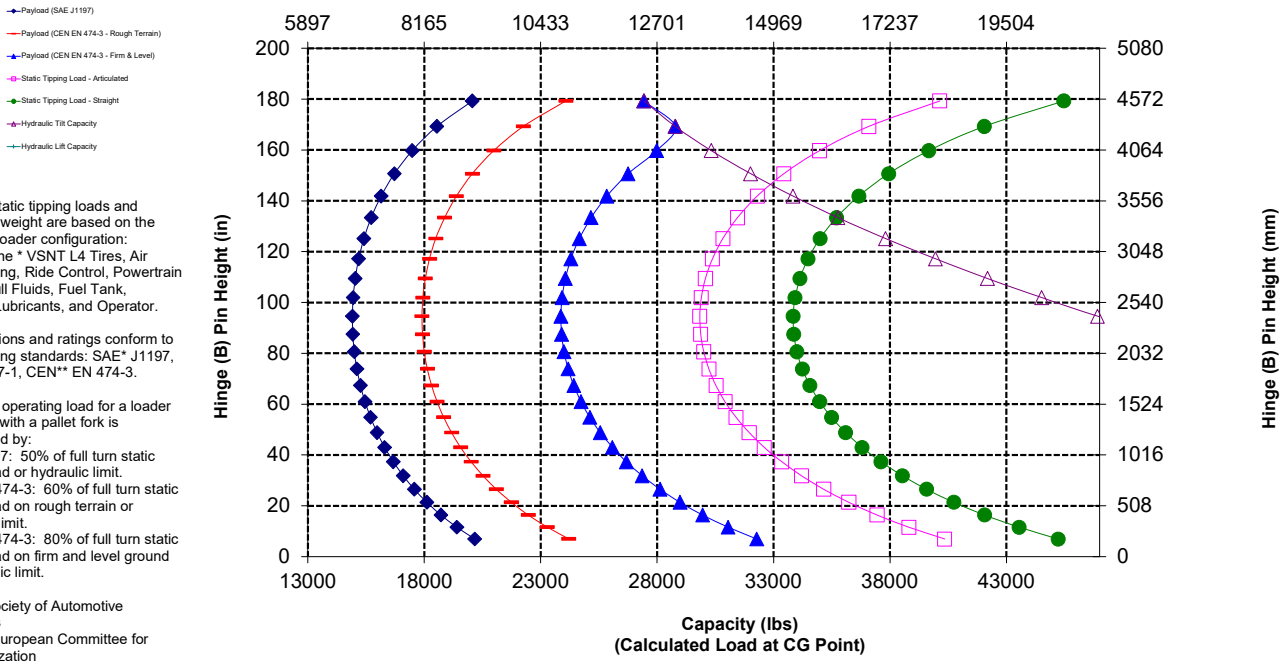
980 LOG

Pallet, Pin-ON

96" Tine

473-9104





NOTE: Static tipping loads and operating weight are based on the following loader configuration: Bridgestone * VSNT L4 Tires, Air Conditioning, Ride Control, Powertrain Guard, Full Fluids, Fuel Tank, Coolant, Lubricants, and Operator.

Specifications and ratings conform to the following standards: SAE* J1197, ISO 14397-1, CEN** EN 474-3.

The rated operating load for a loader equipped with a pallet fork is determined by:
SAE J1197: 50% of full turn static tipping load or hydraulic limit.
CEN EN 474-3: 60% of full turn static tipping load on rough terrain or hydraulic limit.
CEN EN 474-3: 80% of full turn static tipping load on firm and level ground or hydraulic limit.

*SAE - Society of Automotive Engineers
**CEN - European Committee for Standardization

WARNING: Do not exceed tine load capacity. Individual tine capacity is stamped on the side of each tine.

Fork Specifications

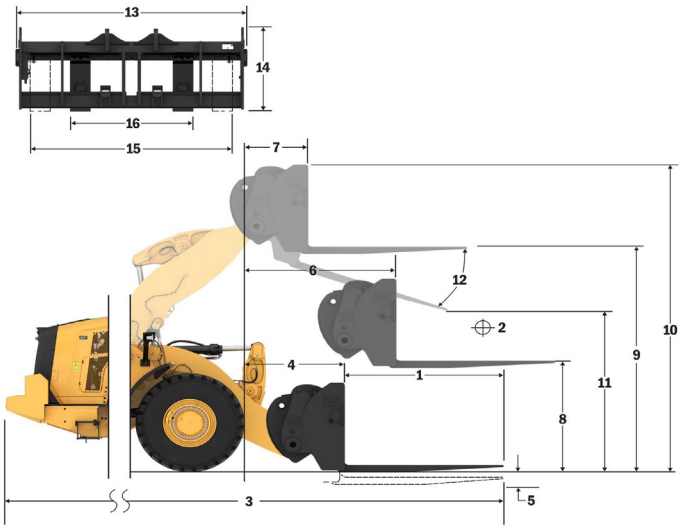
Fork Specifications

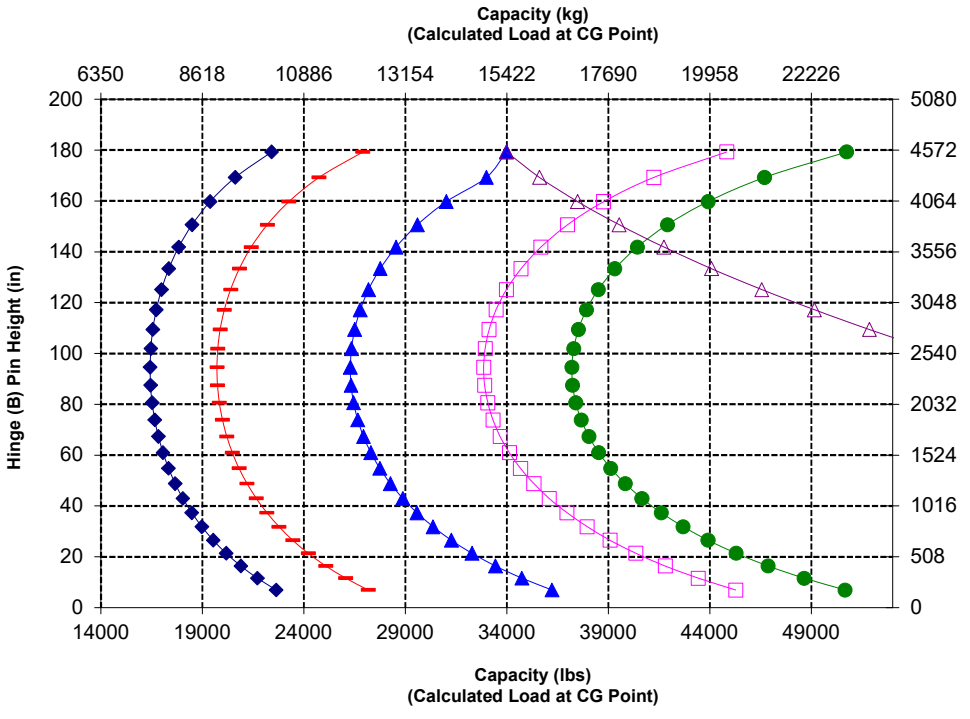
1	Tine Length	mm in	1829 72.0
2	Load Center	mm in	914 36.0
	Static Tipping Load - Straight (Forks Level)	kg lbs	16872 37187
	Static Tipping Load - Articulated (Forks Level)	kg lbs	14904 32849
	Rated Load (SAE J1197 - 50% FTSTL)	kg lbs	7452 16424
	Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)	kg lbs	8943 19709
	Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)	kg lbs	11923 26279
3	Maximum Overall Length	mm in	10568 416.1
4	Reach with Forks at Ground Level	mm in	1322 52.1
5	*Ground to Bottom of Tine at Minimum Height and Fork Level	mm in	-149 -5.9
6	Reach with Arms Horizontal and Forks Level	mm in	1840 72.4
7	Reach with Fork at Maximum Height	mm in	913 35.9
8	Ground to Top of Tine with Arms Horizontal and Fork Level	mm in	2163 85.2
9	Ground to Top of Tine at Maximum Height and Fork Level	mm in	4432 174.5
10	Overall Height of Fork at Full Lift (top of carriage to ground)	mm in	5810 228.7
11	Clearance at Full Lift and Max Dump	mm in	2607 102.7
12	Max Discharge Angle from Horizontal	deg	47
13	Overall Carriage Width	mm in	2751 108.3
14	Overall Carriage Height	mm in	1581 62.3
15	Outside Tine Width (max spread)	mm in	2671 105.1
16	Outside Tine Width (min spread)	mm in	849 33.4
	Tine Width (single tine)	mm in	88.9 3.5
	Tine Thickness	mm in	203.2 8.0
	Tine Capacity	kg lbs	14742 32491
	Operating Weight	kg lbs	31268 68915

*Negative values indicate below grade

980 LOG

Pallet, Pin-ON — **72" Tine** — **473-9106**





NOTE: Static tipping loads and operating weight are based on the following loader configuration: Bridgestone * VSNT L4 Tires, Air Conditioning, Ride Control, Powertrain Guard, Full Fluids, Fuel Tank, Coolant, Lubricants, and Operator.

Specifications and ratings conform to the following standards: SAE* J1197, ISO 14397-1, CEN** EN 474-3.

The rated operating load for a loader equipped with a pallet fork is determined by:
SAE J1197: 50% of full turn static tipping load or hydraulic limit.
CEN EN 474-3: 60% of full turn static tipping load on rough terrain or hydraulic limit.
CEN EN 474-3: 80% of full turn static tipping load on firm and level ground or hydraulic limit.

*SAE - Society of Automotive Engineers
**CEN - European Committee for Standardization

WARNING: Do not exceed tine load capacity. Individual tine capacity is stamped on the side of each tine.

Fork Specifications

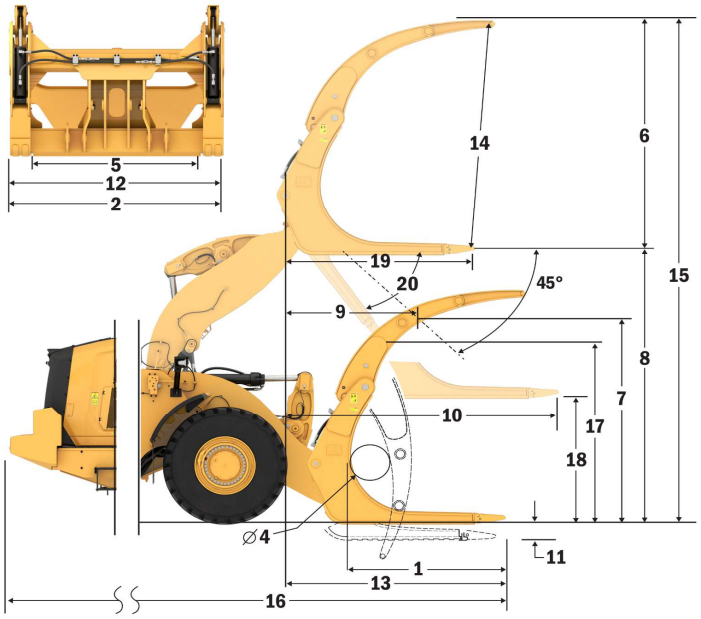
Fork Specifications

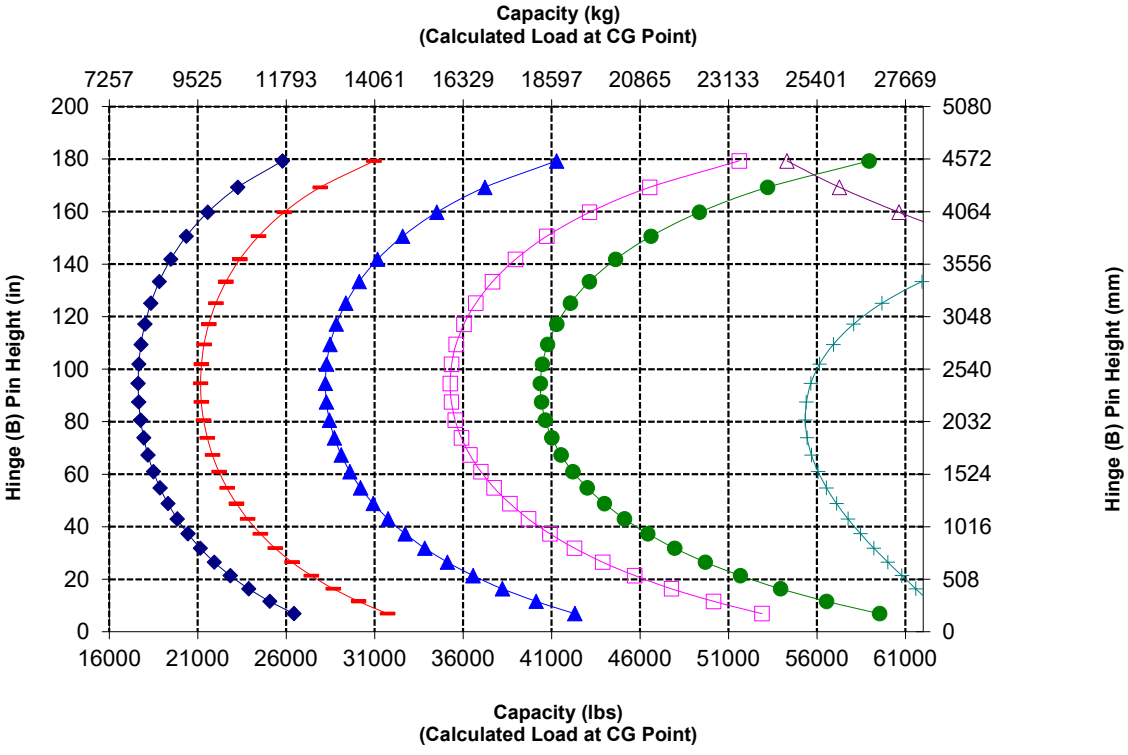
980 LOG

Millyard, Pin-On — **72" Tine** — **507-6128**

1	Tine length	mm in	1829 72.0
2	Fork width	mm in	2777 109.3
	End area	m2 ft2	1.69 18
3	Inside Height (only applies to double top clamp)	mm in	0 0
4	Min. opening (only applies to millyard forks)	mm in	555 22
	Operating Weight	kg lbs	32765 72234
5	Distance inside of tine tips	mm in	2215 87
	Static tipping load, articulated Fork level	kg lbs	15998 35268.4
	Static tipping load, straight Fork level	kg lbs	18310 40366.2
6	Max. height of fork (w/clamp open if applicable)	mm in	3107 122.3
7	Clearance w/full lift, 45 deg dump (if max. dump <> 45)	mm in	2982 117.4
8	Clearance @ full lift fork level	mm in	4301 169.3
9	Reach w/full lift, 45 deg dump (if max. dump <> 45)	mm in	1600 63.0
10	Reach w/lift arm horizontal and fork level	mm in	3283 129.2
11	*Ground to Bottom of Tool at Minimum Height and Tool Level	mm in	-77 -3.0
12	Width over tines	mm in	2741 107.9
13	Reach @ ground level	mm in	2566 101
14	Max. opening across tine and clamp	mm in	2926 115.2
15	Overall height of fork @ full lift and clamp open	mm in	7408 291.7
16	Overall length Tip of tine to rear of machine	mm in	9983 393.0
17	Clearance @ full lift and max. dump Discharge (if <> 45)	mm in	2939 115.7
18	Clearance w/horizontal lift arms and fork level	mm in	2032.4 80.0
19	Reach @ full lift and fork level	mm in	2356.0 92.8
20	Max. discharge angle from horizontal	deg rad	47 0.8

*Negative values indicate below grade





NOTE: Static tipping loads and operating weight are based on the following loader configuration: Bridgestone * VSNT L4 Tires, Air Conditioning, Ride Control, Powertrain Guard, Full Fluids, Fuel Tank, Coolant, Lubricants, and Operator.

Specifications and ratings conform to the following standards: SAE* J1197, ISO 14397-1, CEN** EN 474-3.

The rated operating load for a loader equipped with a pallet fork is determined by:
SAE J1197: 50% of full turn static tipping load or hydraulic limit.
CEN EN 474-3: 60% of full turn static tipping load on rough terrain or hydraulic limit.
CEN EN 474-3: 80% of full turn static tipping load on firm and level ground or hydraulic limit.

*SAE - Society of Automotive Engineers
**CEN - European Committee for Standardization

Fork Specifications

Fork Specifications

1	Tine length	mm in	1826 71.9
2	Fork width	mm in	2802 110.3
	End area	m2 ft2	2.43 26
3	Inside Height (only applies to double top clamp)	mm in	1540 61
4	Min. opening (only applies to millyard forks)	mm in	N/A N/A
	Operating Weight	kg lbs	31970 70481
5	Distance inside of tine tips	mm in	2256 89
	Static tipping load, articulated Fork level	kg lbs	15920 35097.5
	Static tipping load, straight Fork level	kg lbs	18102 39906.6
6	Max. height of fork (w/clamp open if applicable)	mm in	3394 133.6
7	Clearance w/full lift, 45 deg dump (if max. dump <> 45)	mm in	2979 117.3
8	Clearance @ full lift fork level	mm in	4301 169.3
9	Reach w/full lift, 45 deg dump (if max. dump <> 45)	mm in	1603 63.1
10	Reach w/lift arm horizontal and fork level	mm in	3287 129.4
11	*Ground to Bottom of Tool at Minimum Height and Tool Level	mm in	-77 -3.0
12	Width over tines	mm in	2752 108.4
13	Reach @ ground level	mm in	2570 101
14	Max. opening across tine and clamp	mm in	2936 115.6
15	Overall height of fork @ full lift and clamp open	mm in	7695 303.0
16	Overall length Tip of tine to rear of machine	mm in	9987 393.2
17	Clearance @ full lift and max. dump Discharge (if <> 45)	mm in	2936 115.6
18	Clearance w/horizontal lift arms and fork level	mm in	2032.2 80.0
19	Reach @ full lift and fork level	mm in	2359.9 92.9
20	Max. discharge angle from horizontal	deg rad	47 0.8

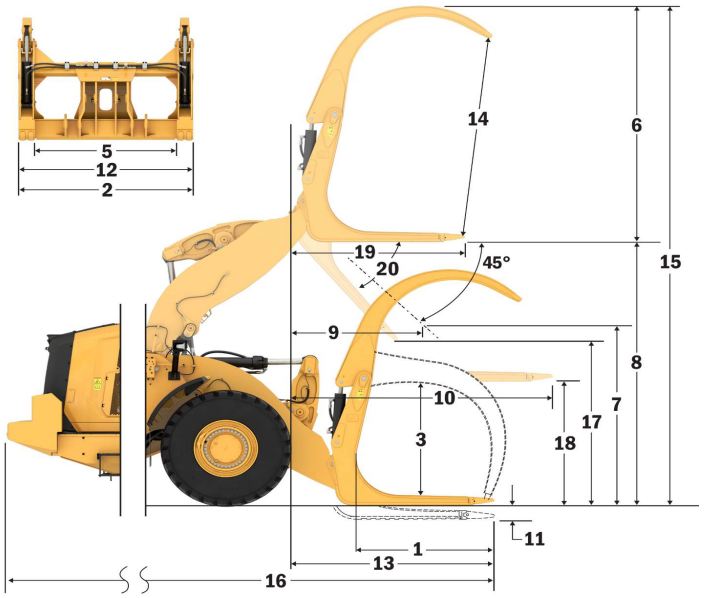
*Negative values indicate below grade

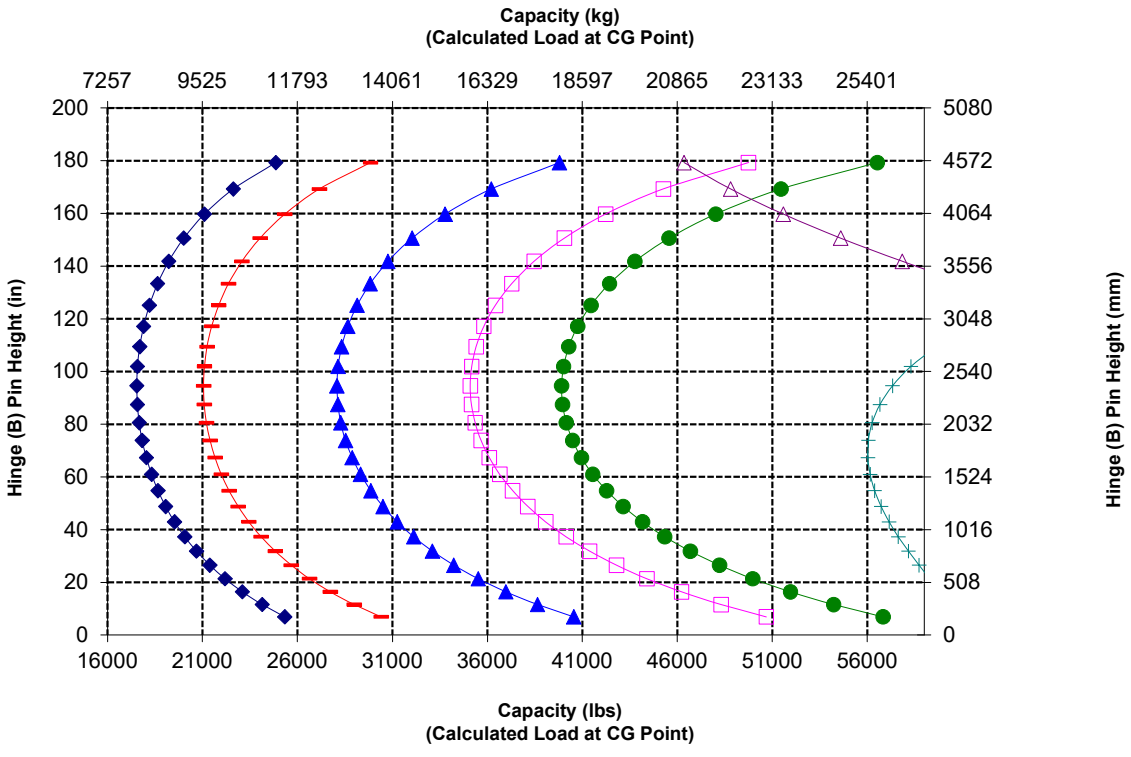
980 LOG

Logging, Pin-On

72" Tine

383-1822





NOTE: Static tipping loads and operating weight are based on the following loader configuration: Bridgestone * VSNT L4 Tires, Air Conditioning, Ride Control, Powertrain Guard, Full Fluids, Fuel Tank, Coolant, Lubricants, and Operator.

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AEXQ3864-01 (1-2025)
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Build Number: 14B
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